

# Law Enforcement, Courts, and Prisons

This section presents data on crimes committed, victims of crimes, arrests, and data related to criminal violations, and the criminal justice system. The major sources of these data are the Bureau of Justice Statistics (BJS) and the Federal Bureau of Investigation (FBI). BJS issues several reports, including *Sourcebook of Criminal Justice Statistics*, *Criminal Victimization in the United States*, *Prisoners in State and Federal Institutions*, *Children in Custody*, *National Survey of Courts*, *Census of State Correctional Facilities* and *Survey of Prison Inmates*, *Census of Jails* and *Survey of Jail Inmates*, *Parole in the United States*, *Capital Punishment*, and the annual *Expenditure and Employment Data for the Criminal Justice System*. The Federal Bureau of Investigation's major annual report is *Crime in the United States*, which presents data on reported crimes as gathered from State and local law enforcement agencies.

Other major sources of these data include: *Annual Report of the Director, Federal Court Management Statistics*, *Federal Offenders*, and *Sentences Imposed Chart* issued by the Administrative Office of the U.S. Courts; *Governmental Finances and Public Employment*, issued annually by the Bureau of the Census; and the *Statistical Report*, issued annually by the Federal Bureau of Prisons.

**Legal jurisdiction and law enforcement.**—Law enforcement is, for the most part, a function of State and local officers and agencies. The U.S. Constitution reserves general police powers to the States. By act of Congress, Federal offenses include only offenses against the U.S. Government and against or by its employees while engaged in their official duties, and offenses which involve the crossing of State lines or an interference with interstate commerce. Excluding the military, there are 52 separate criminal law jurisdictions in the United States: 1 in each of the 50 States, 1 in the District of Columbia, and the Federal jurisdiction. Each of these has its own criminal law and procedure and its own

## In Brief

Violent crimes up 10.4 %  
in 1990 from 1989

Reported rapes up 8.1 % to  
102,600 in 1990 compared to 1989

Prisoner population (738,894 in  
1990) grew 58,000 from 1989

law enforcement agencies. While the systems of law enforcement are quite similar among the States, there are often substantial differences in the penalties for like offenses.

Law enforcement can be divided into three parts: Investigation of crimes and arrests of persons suspected of committing them; prosecution of those charged with crime; and the punishment or treatment of persons convicted of crime.

**Crime.**—There are two major approaches taken in determining the extent of crime. One perspective is provided by the FBI through its Uniform Crime Reporting Program (UCR). The FBI receives monthly and annual reports from law enforcement agencies throughout the country, currently representing 98 percent of the national population. Each month, city police, sheriffs, and State police file reports on the number of index offenses that become known to them. The FBI Crime Index offenses are as follows: *Murder and nonnegligent manslaughter*, is based on police investigations, as opposed to the determination of a medical examiner or judicial body, includes willful felonious homicides, and excludes attempts and assaults to kill, suicides, accidental deaths, justifiable homicides, and deaths caused by negligence; *forcible rape* includes forcible rapes and attempts; *robbery* includes stealing or taking anything of value by force or violence or threat of force or violence and includes attempted robbery; *aggravated assault* includes assault with intent to kill; *burglary* includes any unlawful entry to commit a felony or a theft and

includes attempted burglary and burglary followed by larceny; *larceny* includes theft of property or articles of value without use of force and violence or fraud and excludes embezzlement, "con games," forgery, etc.; *motor vehicle theft* includes all cases where vehicles are driven away and abandoned, but excludes vehicles taken for temporary use and returned by the taker. *Arson* was added as the eighth Index offense in April 1979 following a Congressional mandate. *Arson* includes any willful or malicious burning or attempt to burn with or without intent to defraud, a dwelling house, public building, motor vehicle or aircraft, personal property of another, etc. The monthly Uniform Crime Reports also contain data on crimes cleared by arrest and on characteristics of persons arrested for all criminal offenses. In summarizing and publishing crime data, the FBI depends primarily on the adherence to the established standards of reporting for statistical accuracy, presenting the data as information useful to persons concerned with the problem of crime and criminal-law enforcement.

**National Crime Survey (NCS).**—A second perspective on crime is provided by the National Crime Survey (NCS) of the Bureau of Justice Statistics. Details about the crimes come directly from the victims. No attempt is made to validate the information against police records or any other source. The NCS measures rape, robbery, assault, household and personal larceny, burglary, and motor vehicle theft. The NCS includes offenses reported to the police, as well as those not reported. Police reporting rates (percent of victimizations) varied by type of crime. In 1990, for instance, 54 percent of the rapes were reported; 50 percent of the robberies; 47 percent of assaults; 25 percent of personal larcenies without contact; 51 percent of the household burglaries; and 75 percent of motor vehicle thefts.

Murder and kidnaping are not covered. Commercial burglary and robbery were dropped from the program during 1977. The so-called victimless crimes, such as drunkenness, drug abuse, and prostitution, also are excluded, as are crimes for which it is difficult to identify knowledgeable respondents or to locate data records.

Crimes of which the victim may not be aware also cannot be measured effectively. Buying stolen property may fall into this category, as may some instances of embezzlement. Attempted crimes of many types probably are under recorded for this reason. Events in which the victim has shown a willingness to participate in illegal activity also are excluded.

In any encounter involving a personal crime, more than one criminal act can be committed against an individual. For example; a rape may be associated with a robbery; or a household offense, such as a burglary, can escalate into something more serious in the event of a personal confrontation. In classifying the survey-measured crimes, each criminal incident has been counted only once—by the most serious act that took place during the incident and ranked in accordance with the seriousness classification system used by the Federal Bureau of Investigation. The order of seriousness for crimes against persons is as follows: Rape, robbery, assault, and larceny. Consequently, if a person were both robbed and assaulted, the event would be classified as robbery; if the victim suffered physical harm, the crime would be categorized as robbery with injury. Personal crimes take precedence over household offenses.

A *victimization*, basic measure of the occurrence of a crime, is a specific criminal act as it affects a single victim. The number of victimizations is determined by the number of victims of such acts. Victimization counts serve as key elements in computing rates of victimization. For crimes against persons, the rates are based on the total number of individuals age 12 and over or on a portion of that population sharing a particular characteristic or set of traits. As general indicators of the danger of having been victimized during the reference period, the rates are not sufficiently refined to represent true measures of risk for specific individuals or households.

An *incident* is a specific criminal act involving one or more victims; therefore, the number of incidents of personal crimes lower than that of victimizations.

**Courts.**—Statistics on criminal offenses and the outcome of prosecutions are incomplete for the country as a whole,

although data are available for many States individually. The only national compilations of such statistics were made by the Bureau of the Census for 1932 to 1945 covering a maximum of 32 States, and by the Bureau of Justice Statistics for 1986 based on a nationally representative sample survey.

The bulk of civil and criminal litigation in the country is commenced and determined in the various State courts. Only when the U.S. Constitution and acts of Congress specifically confer jurisdiction upon the Federal courts may civil litigation be heard and decided by them. Generally, the Federal courts have jurisdiction over the following types of cases: Suits or proceedings by or against the United States; civil actions between private parties arising under the Constitution, laws, or treaties of the United States; civil actions between private litigants who are citizens of different States; civil cases involving admiralty, maritime, or prize jurisdiction; and all matters in bankruptcy.

There are several types of courts with varying degrees of legal jurisdiction. These jurisdictions include original, appellate, general, and limited or special. A *court of original jurisdiction* is one having the authority initially to try a case and pass judgment on the law and the facts; a *court of appellate jurisdiction* is one with the legal authority to review cases and hear appeals; a *court of general jurisdiction* is a trial court of unlimited original jurisdiction in civil and/or criminal cases, also called a "major trial court"; a *court of limited or special jurisdiction* is a trial court with legal authority over only a particular class of cases, such as probate, juvenile, or traffic cases.

The 94 Federal courts of original jurisdiction are known as the U.S. district courts. One or more of these courts is established in every State and one each in the District of Columbia, Puerto Rico, the Virgin Islands, the Northern Mariana Islands, and Guam. Appeals from the district courts are taken to intermediate appellate courts of which there are 13,

known as U.S. courts of appeals and the United States Court of Appeals for the Federal Circuit. The Supreme Court of the United States is the final and highest appellate court in the Federal system of courts.

**Juvenile offenders.**—For statistical purposes, the FBI and most States classify as juvenile offenders persons under the age of 18 years who have committed a crime or crimes.

Delinquency cases are all cases of youths referred to a juvenile court for violation of a law or ordinance or for seriously "antisocial" conduct. Several types of facilities are available for those adjudicated delinquent, ranging from the short-term physically unrestricted environment to the long-term very restrictive atmosphere.

**Prisoners.**—Data on prisoners in Federal and State prisons and reformatories were collected annually by the Bureau of the Census until 1950, by the Federal Bureau of Prisons until 1971, transferred then to the Law Enforcement Assistance Administration, and, in 1979, to the Bureau of Justice Statistics. Adults convicted of criminal activity may be given a prison or jail sentence. A *prison* is a confinement facility having custodial authority over adults sentenced to confinement of more than one year. A *jail* is a facility, usually operated by a local law enforcement agency, holding persons detained pending adjudication and/or persons committed after adjudication to one year or less. Nearly every State publishes annual data either for its whole prison system or for each separate State institution.

**Statistical reliability.**—For discussion of statistical collection, estimation, and sampling procedures and measures of statistical reliability pertaining to the National Crime Survey and Uniform Crime Reporting Program, see Appendix III.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

**No. 287. Crimes and Crime Rates, by Type: 1980 to 1990**

[Data refer to offenses known to the police. Rates are based on Bureau of the Census estimated resident population as of July 1, except 1980, enumerated as of April 1. Annual totals for years prior to 1984 were adjusted in 1984 and may not be consistent with those in prior editions. See source for details. Minus sign (-) indicates decrease. For definitions of crimes, see text, section 5. See *Historical Statistics, Colonial Times to 1970*, series H 952-961 for related data.]

ITEM AND YEAR	Total	VIOLENT CRIME					PROPERTY CRIME			
		Total	Murder	Forcible rape	Robbery	Aggravated assault	Total	Burglary	Larceny-theft	Motor vehicle theft
<b>Number of offenses (1,000):</b>										
1980	13,408	1,345	23.0	83.0	566	673	12,064	3,795	7,137	1,132
1981	13,424	1,362	22.5	82.5	593	664	12,062	3,780	7,194	1,088
1982	12,974	1,322	21.0	78.8	553	669	11,652	3,447	7,143	1,062
1983	12,109	1,258	19.3	78.9	507	653	10,851	3,130	6,713	1,008
1984	11,882	1,273	18.7	84.2	485	685	10,809	2,984	6,592	1,032
1985	12,431	1,329	19.0	88.7	498	723	11,103	3,073	6,926	1,103
1986	13,212	1,489	20.6	91.5	543	834	11,723	3,241	7,257	1,224
1987	13,509	1,484	20.1	91.1	518	855	12,025	3,236	7,500	1,289
1988	13,923	1,566	20.7	92.5	543	910	12,357	3,218	7,706	1,433
1989	14,251	1,646	21.5	94.5	578	952	12,605	3,168	7,872	1,565
1990	14,476	1,820	23.4	102.6	639	1,055	12,656	3,074	7,946	1,636
<b>Percent change, number of offenses:</b>										
1980 to 1990	8.0	35.3	1.7	23.6	12.9	56.8	4.9	-19.0	11.3	44.5
1985 to 1990	16.5	36.9	23.2	15.7	28.3	45.9	14.0	0.0	14.7	48.3
1989 to 1990	1.6	10.6	8.8	8.6	10.6	10.8	0.4	-3.0	0.9	4.5
<b>Rate per 100,000 population:</b>										
1980	5,950	597	10.2	36.8	251	299	5,353	1,684	3,167	502
1981	5,858	594	9.8	36.0	259	290	5,264	1,650	3,140	475
1982	5,604	571	9.1	34.0	239	289	5,033	1,489	3,085	459
1983	5,175	538	8.3	33.7	217	279	4,637	1,338	2,869	431
1984	5,031	539	7.9	35.7	205	290	4,492	1,264	2,791	437
1985	5,207	557	7.9	37.1	209	303	4,651	1,287	2,901	462
1986	5,480	618	8.6	37.9	225	346	4,863	1,345	3,010	508
1987	5,550	610	8.3	37.4	213	351	4,940	1,330	3,081	529
1988	5,664	637	8.4	37.6	221	370	5,027	1,309	3,135	583
1989	5,741	663	8.7	38.1	233	383	5,078	1,276	3,171	630
1990	5,820	732	9.4	41.2	257	424	5,089	1,236	3,195	658
<b>Percent change, rate per 100,000 population:</b>										
1980 to 1990	-2.2	22.6	-7.8	12.0	2.4	41.8	-4.9	-26.6	0.9	31.1
1985 to 1990	11.8	31.4	19.0	11.1	23.0	39.9	9.4	-4.0	10.1	42.4
1989 to 1990	1.4	10.4	8.0	8.1	10.3	10.7	0.2	-3.1	0.8	4.4

<sup>1</sup> Includes nonnegligent manslaughter.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

**No. 288. Crimes and Crime Rates, by Type and Area: 1989 and 1990**

[In thousands, except rate. Rate per 100,000 population; see headnote, table 292. Estimated totals based on reports from city and rural law enforcement agencies representing 96 percent of the national population. For definitions of crimes, see text, section 5.]

TYPE OF CRIME	1989						1990					
	MSA's <sup>1</sup>		Other cities		Rural areas		MSA's <sup>1</sup>		Other cities		Rural areas	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate
<b>Total . . . . .</b>	<b>12,430</b>	<b>6,496</b>	<b>1,149</b>	<b>5,034</b>	<b>673</b>	<b>1,974</b>	<b>12,605</b>	<b>6,547</b>	<b>1,188</b>	<b>5,303</b>	<b>683</b>	<b>2,022</b>
<b>Violent crime . . . . .</b>	<b>1,492</b>	<b>780</b>	<b>90</b>	<b>394</b>	<b>64</b>	<b>189</b>	<b>1,648</b>	<b>856</b>	<b>102</b>	<b>458</b>	<b>70</b>	<b>207</b>
Murder and nonnegligent manslaughter . . . . .	19	10	1	5	2	5	20	11	1	5	2	6
Forcible rape . . . . .	81	42	6	27	7	21	88	46	7	33	8	22
Robbery . . . . .	560	293	13	58	5	16	620	322	14	63	5	16
Aggravated assault . . . . .	832	435	69	304	50	147	920	476	80	357	55	163
<b>Property crime . . . . .</b>	<b>10,938</b>	<b>5,716</b>	<b>1,059</b>	<b>4,640</b>	<b>608</b>	<b>1,765</b>	<b>10,957</b>	<b>5,691</b>	<b>1,085</b>	<b>4,845</b>	<b>613</b>	<b>1,815</b>
Burglary . . . . .	2,702	1,412	237	1,040	229	673	2,611	1,356	236	1,053	227	671
Larceny-theft . . . . .	6,762	3,534	771	3,380	339	995	6,803	3,533	797	3,559	346	1,024
Motor vehicle theft . . . . .	1,474	771	50	221	40	117	1,543	801	52	232	41	121

<sup>1</sup> For definition, see Appendix II.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

# Crime Rates by State

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## No. 289. Crime Rates by State, 1985 to 1990, and by Type, 1990

[Offenses known to the police per 100,000 population. Based on Bureau of the Census estimated resident population as of July 1. For definitions of crimes, see text, section 5]

REGION, DIVISION, AND STATE	1985, total	1989, total	1990									
			Violent crime					Property crime				
			Total	Mur- der <sup>1</sup>	Forcible rape	Rob- bery	Aggra- vated assault	Total	Burg- lary	Larce- ny— theft	Motor vehi- cle theft	
<b>United States . . . . .</b>	<b>5,207</b>	<b>5,741</b>	<b>5,820</b>	<b>732</b>	<b>9.4</b>	<b>41</b>	<b>257</b>	<b>424</b>	<b>5,088</b>	<b>1,236</b>	<b>3,195</b>	<b>658</b>
<b>Northeast . . . . .</b>	<b>4,627</b>	<b>5,072</b>	<b>5,193</b>	<b>757</b>	<b>8.6</b>	<b>29</b>	<b>353</b>	<b>366</b>	<b>4,437</b>	<b>1,020</b>	<b>2,598</b>	<b>818</b>
New England . . . . .	4,487	4,854	4,996	3.9	30	172	330	4,460	1,094	2,645	721	
Maine . . . . .	3,672	3,584	3,698	143	2.4	20	25	96	3,655	823	2,555	177
New Hampshire . . . . .	3,252	3,596	3,645	132	1.9	35	27	68	3,514	735	2,534	244
Vermont . . . . .	3,888	4,089	4,341	127	2.3	26	12	87	4,214	1,087	2,918	208
Massachusetts . . . . .	4,758	5,136	5,298	736	4.0	34	217	481	4,562	1,113	2,525	924
Rhode Island . . . . .	4,723	5,225	5,353	432	4.8	25	122	280	4,921	1,271	2,695	954
Connecticut . . . . .	4,705	5,270	5,387	554	5.1	28	235	286	4,833	1,228	2,874	731
<b>Middle Atlantic . . . . .</b>	<b>4,675</b>	<b>5,147</b>	<b>5,263</b>	<b>834</b>	<b>10.2</b>	<b>29</b>	<b>416</b>	<b>379</b>	<b>4,429</b>	<b>995</b>	<b>2,582</b>	<b>852</b>
New York . . . . .	5,589	6,293	6,364	1,181	14.5	30	625	512	5,183	1,161	2,979	1,043
New Jersey . . . . .	5,094	5,269	5,447	648	5.6	30	301	311	4,800	1,017	2,843	940
Pennsylvania . . . . .	3,037	3,360	3,476	431	6.7	26	176	222	3,045	729	1,811	506
<b>Midwest . . . . .</b>	<b>4,674</b>	<b>4,949</b>	<b>5,102</b>	<b>594</b>	<b>7.0</b>	<b>43</b>	<b>199</b>	<b>346</b>	<b>4,508</b>	<b>983</b>	<b>3,024</b>	<b>501</b>
<b>East North Central . . . . .</b>	<b>4,939</b>	<b>5,150</b>	<b>5,322</b>	<b>662</b>	<b>8.1</b>	<b>47</b>	<b>234</b>	<b>373</b>	<b>4,660</b>	<b>1,008</b>	<b>3,086</b>	<b>566</b>
Ohio . . . . .	4,187	4,733	4,843	506	6.1	47	189	265	4,337	983	2,864	491
Indiana . . . . .	3,914	4,440	4,683	474	6.2	38	101	328	4,209	943	2,827	439
Illinois <sup>2</sup> . . . . .	5,384	5,639	5,935	967	10.3	39	294	524	4,968	1,062	3,262	643
Michigan . . . . .	6,366	5,968	5,995	790	10.4	78	234	468	5,204	1,143	3,347	714
Wisconsin . . . . .	4,017	4,165	4,395	265	4.6	21	113	127	4,130	751	2,963	416
<b>West North Central . . . . .</b>	<b>4,046</b>	<b>4,473</b>	<b>4,579</b>	<b>432</b>	<b>4.4</b>	<b>31</b>	<b>114</b>	<b>282</b>	<b>4,147</b>	<b>925</b>	<b>2,876</b>	<b>346</b>
Minnesota . . . . .	4,134	4,383	4,539	306	2.7	34	93	177	4,233	907	2,960	366
Iowa . . . . .	3,943	4,081	4,101	300	1.9	18	39	240	3,801	808	2,823	170
Missouri . . . . .	4,366	5,127	5,121	715	8.8	32	216	458	4,405	1,066	2,800	539
North Dakota . . . . .	2,679	2,561	2,922	74	0.8	18	8	47	2,848	427	2,289	133
South Dakota . . . . .	2,641	2,685	2,909	163	2.0	34	12	114	2,747	527	2,109	110
Nebraska . . . . .	3,695	4,092	4,213	330	2.7	30	51	246	3,883	724	2,981	178
Kansas . . . . .	4,375	4,983	5,193	448	4.0	40	118	286	4,745	1,167	3,244	335
<b>South . . . . .</b>	<b>5,256</b>	<b>6,205</b>	<b>6,334</b>	<b>766</b>	<b>11.8</b>	<b>45</b>	<b>237</b>	<b>472</b>	<b>5,567</b>	<b>1,498</b>	<b>3,471</b>	<b>598</b>
<b>South Atlantic . . . . .</b>	<b>5,375</b>	<b>6,425</b>	<b>6,546</b>	<b>857</b>	<b>11.4</b>	<b>45</b>	<b>277</b>	<b>523</b>	<b>5,689</b>	<b>1,525</b>	<b>3,589</b>	<b>576</b>
Delaware . . . . .	4,961	4,865	5,360	655	5.0	88	165	397	4,705	970	3,291	444
Maryland . . . . .	5,373	5,563	5,830	919	11.5	46	364	498	4,912	1,120	3,083	709
District of Columbia <sup>2</sup> . . . . .	8,007	10,293	10,774	2,458	77.8	50	1,214	1,117	6,316	1,983	4,997	1,336
Virginia . . . . .	3,779	4,211	4,441	351	8.8	31	123	188	4,090	731	3,031	327
West Virginia . . . . .	2,253	2,363	2,503	169	5.7	24	38	102	2,334	657	1,523	154
North Carolina . . . . .	4,121	5,254	5,486	624	10.7	34	152	426	4,862	1,530	3,048	284
South Carolina . . . . .	4,841	5,619	6,045	977	11.2	54	152	759	5,069	1,380	3,302	386
Georgia . . . . .	5,110	7,073	6,764	756	11.8	54	263	427	6,007	1,619	3,714	674
Florida . . . . .	7,574	8,804	8,811	1,244	10.7	52	417	764	7,566	2,171	4,570	826
<b>East South Central . . . . .</b>	<b>3,651</b>	<b>4,085</b>	<b>4,389</b>	<b>557</b>	<b>10.2</b>	<b>39</b>	<b>131</b>	<b>376</b>	<b>3,833</b>	<b>1,098</b>	<b>2,374</b>	<b>360</b>
Kentucky . . . . .	2,947	3,317	3,299	390	7.2	29	69	285	2,909	767	1,943	199
Tennessee . . . . .	4,167	4,514	5,051	670	10.5	50	191	419	4,381	1,284	2,545	572
Alabama . . . . .	3,942	4,628	4,915	709	11.6	33	144	521	4,207	1,103	2,755	348
Mississippi . . . . .	3,266	3,515	3,869	340	12.2	44	86	198	3,529	1,251	2,070	208
<b>West South Central . . . . .</b>	<b>5,991</b>	<b>7,064</b>	<b>7,092</b>	<b>738</b>	<b>13.5</b>	<b>49</b>	<b>233</b>	<b>443</b>	<b>6,354</b>	<b>1,682</b>	<b>3,902</b>	<b>770</b>
Arkansas . . . . .	3,585	4,556	4,667	532	10.3	43	113	365	4,335	1,211	2,834	289
Louisiana . . . . .	5,564	6,241	6,487	898	17.2	42	270	569	5,588	1,438	3,549	602
Oklahoma . . . . .	5,425	5,503	5,599	547	8.0	47	122	370	5,051	1,447	3,002	602
Texas . . . . .	6,569	7,927	7,827	761	14.1	52	261	435	7,065	1,852	4,305	909
<b>West . . . . .</b>	<b>6,405</b>	<b>6,550</b>	<b>6,405</b>	<b>808</b>	<b>9.1</b>	<b>45</b>	<b>263</b>	<b>491</b>	<b>5,597</b>	<b>1,304</b>	<b>3,515</b>	<b>778</b>
<b>Mountain . . . . .</b>	<b>6,183</b>	<b>6,250</b>	<b>6,268</b>	<b>517</b>	<b>6.0</b>	<b>42</b>	<b>109</b>	<b>360</b>	<b>5,751</b>	<b>1,286</b>	<b>3,979</b>	<b>486</b>
Montana . . . . .	4,549	3,998	4,502	159	4.9	24	22	108	4,343	709	3,391	243
Idaho . . . . .	3,908	3,931	4,057	276	2.7	27	15	231	3,781	813	2,803	165
Wyoming . . . . .	4,015	3,889	4,211	301	4.9	30	16	251	3,909	631	3,129	149
Colorado . . . . .	6,919	6,039	6,054	526	4.2	46	91	385	5,528	1,209	3,891	428
New Mexico . . . . .	6,486	6,574	6,684	780	9.2	50	115	606	5,904	1,739	3,828	337
Arizona . . . . .	7,116	8,060	7,889	652	7.7	41	161	443	7,236	1,670	4,703	863
Utah . . . . .	5,317	5,682	5,680	284	3.0	38	57	186	5,376	881	4,258	238
Nevada . . . . .	6,575	6,272	6,064	601	9.7	62	238	291	5,463	1,367	3,503	593
<b>Pacific . . . . .</b>	<b>6,486</b>	<b>6,656</b>	<b>6,452</b>	<b>910</b>	<b>10.2</b>	<b>46</b>	<b>317</b>	<b>536</b>	<b>5,543</b>	<b>1,310</b>	<b>3,352</b>	<b>880</b>
Washington . . . . .	6,529	6,594	6,223	502	4.9	64	130	303	5,721	1,263	4,011	447
Oregon . . . . .	6,730	6,161	5,646	507	3.8	47	144	312	5,139	1,135	3,545	459
California . . . . .	6,518	6,763	6,604	1,045	11.9	43	377	614	5,558	1,345	3,198	1,016
Alaska . . . . .	5,877	4,780	5,153	525	7.5	73	77	367	4,628	894	3,168	565
Hawaii . . . . .	5,201	6,270	6,107	281	4.0	32	91	153	5,826	1,229	4,217	381

<sup>1</sup> Includes nonnegligent manslaughter. <sup>2</sup> Includes offenses reported by the police at the National Zoo. <sup>3</sup> Forcible rape figures for 1989 and 1990 were estimated using the national rate of forcible rapes when grouped by like agencies as figures submitted were not in accordance with national Uniform Crime Reporting program guidelines.

## No. 290. Crime Rates, by Type—Selected Large Cities: 1990

[Offenses known to the police per 100,000 population. Based on Bureau of the Census estimated resident population as of July 1. For definitions of crimes, see text, section 5]

CITY RANKED BY POPULATION SIZE, 1990 <sup>1</sup>	Crime index, total	VIOLENT CRIME					PROPERTY CRIME			
		Total	Murder	Forcible rape	Robbery	Aggravated assault	Total	Burglary	Larceny—theft	Motor vehicle theft
New York, NY	9,699	2,384	31	43	1,370	941	7,316	1,638	3,668	2,009
Los Angeles, CA	9,225	2,405	28	58	1,036	1,283	6,821	1,477	3,519	1,825
Chicago, IL	(2)	(2)	31	(2)	1,335	1,477	8,220	1,803	4,670	1,747
Houston, TX	11,338	1,388	35	82	792	479	9,950	2,636	4,808	2,506
Philadelphia, PA	7,192	1,349	32	46	808	463	5,843	1,523	2,689	1,632
San Diego, CA	9,145	1,085	12	40	390	643	8,061	1,503	4,375	2,183
Detroit, MI	12,192	2,699	57	161	1,266	1,216	9,493	2,536	4,002	2,955
Dallas, TX	15,520	2,438	44	134	1,049	1,211	13,082	3,275	7,372	2,435
Phoenix, AZ	10,756	1,085	13	52	344	675	9,672	2,510	5,381	1,782
San Antonio, TX	12,477	612	22	46	306	238	11,865	2,780	7,495	1,590
San Jose, CA	4,869	601	5	53	132	411	4,269	735	2,996	538
Baltimore, MD	10,596	2,438	41	93	1,288	1,015	8,158	2,004	4,807	1,347
Indianapolis, IN	6,749	1,287	12	112	340	824	5,462	1,629	2,833	1,000
San Francisco, CA	9,662	1,711	14	58	974	665	7,951	1,467	4,915	1,569
Jacksonville, FL	10,463	1,830	28	111	622	1,070	8,633	2,753	4,931	949
Columbus, OH	9,907	1,110	14	102	560	434	8,798	2,343	5,117	1,338
Milwaukee, WI	9,299	1,000	25	79	660	237	8,299	1,482	4,709	2,108
Memphis, TN	9,872	1,488	32	136	680	640	8,384	2,544	3,763	2,078
Washington, DC	10,774	2,458	78	50	1,214	1,117	8,316	1,983	4,997	1,336
Boston, MA	11,851	2,379	25	94	1,049	1,212	9,472	1,783	5,162	2,527
Seattle, WA	12,601	1,507	10	93	522	882	11,094	2,166	7,656	1,273
El Paso, TX	11,239	992	7	50	268	668	10,248	1,856	7,298	1,094
Cleveland, OH	9,115	1,818	33	167	973	645	7,297	2,017	3,024	2,256
New Orleans, LA	12,436	2,259	61	73	1,217	908	10,177	2,742	4,992	2,443
Nashville-Davidson, TN	7,879	1,378	13	111	433	821	6,501	1,780	4,027	694
Denver, CO	7,756	899	14	80	281	524	6,857	1,987	3,591	1,269
Austin, TX	11,714	714	10	60	314	331	11,000	2,442	7,722	836
Fort Worth, TX	14,977	1,748	29	97	626	997	13,229	3,418	7,754	2,057
Oklahoma City, OK	10,611	1,082	15	95	314	658	9,529	2,572	5,769	1,187
Portland, OR	11,101	1,792	8	97	581	1,106	9,309	2,050	5,930	1,328
Kansas City, MO	12,953	2,550	28	119	1,033	1,370	10,403	2,678	5,344	2,381
Long Beach, CA	9,572	1,957	25	69	976	886	7,615	2,017	3,937	1,662
Tucson, AZ	11,879	908	7	72	223	606	10,972	1,951	8,412	609
St. Louis, MO	14,671	3,449	45	83	1,187	2,134	11,222	2,907	6,192	2,123
Charlotte, NC	12,594	2,303	24	97	810	1,373	10,290	2,751	6,858	682
Atlanta, GA	19,236	4,085	59	176	1,550	2,300	15,151	3,939	8,380	2,832
Virginia Beach, VA	5,779	230	4	38	108	80	5,550	1,012	4,208	330
Albuquerque, NM	10,064	1,331	9	58	268	997	8,733	2,468	5,752	513
Oakland, CA	10,906	1,570	39	139	868	524	9,335	2,284	5,125	1,927
Pittsburgh, PA	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Sacramento, CA	9,127	1,077	12	57	485	524	8,050	1,886	4,391	1,773
Minneapolis, MN	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Tulsa, OK	9,534	1,334	16	104	419	795	8,201	2,233	3,900	2,069
Honolulu, HI	6,102	288	4	33	106	145	5,814	1,170	4,247	397
Cincinnati, OH	7,556	1,230	14	107	443	666	6,327	1,620	4,246	461
Miami, FL	19,024	4,353	36	83	2,279	1,954	14,671	3,767	8,233	2,671
Fresno, CA	10,530	1,242	19	73	450	701	9,288	2,015	5,258	2,015
Omaha, NE	7,050	935	3	65	180	687	6,115	1,248	4,466	401
Toledo, OH	9,610	1,064	11	127	525	401	8,546	1,883	5,278	1,386
Buffalo, NY	8,893	1,608	11	108	662	826	7,286	2,488	3,719	1,079
Wichita, KS	8,928	720	6	106	355	254	8,208	2,049	5,444	714
Santa Ana, CA	7,589	907	15	25	529	338	6,682	1,217	4,132	1,334
Mesa, AZ	7,086	598	3	33	96	467	6,488	1,348	4,272	868
Colorado Springs, CO	7,476	421	3	72	92	255	7,055	1,446	5,198	411
Tampa, FL	17,125	3,326	22	131	1,130	2,044	13,799	4,316	7,131	2,352
Newark, NJ	16,256	3,882	41	119	2,188	1,535	12,374	2,449	4,555	5,369
St Paul, MN	8,134	1,015	7	99	287	623	7,119	1,864	4,404	851
Louisville, KY	6,424	848	15	45	405	363	5,576	1,771	3,228	577
Anaheim, CA	7,168	676	8	35	366	268	6,492	1,583	3,664	1,245
Birmingham, AL	11,262	1,577	47	100	676	753	9,685	2,616	5,162	1,907
Arlington, TX	8,524	717	3	53	224	437	7,807	1,719	5,041	1,048
Norfolk, VA	10,254	1,091	24	84	533	451	9,163	1,608	6,485	1,070
Corpus Christi, TX	10,307	624	11	93	173	347	9,983	2,381	6,816	485
St. Petersburg, FL	12,289	2,351	13	73	860	1,405	9,938	2,575	6,275	1,088
Rochester, NY	11,039	1,237	17	76	541	602	9,802	2,506	6,378	918
Jersey City, NJ	9,176	1,877	12	50	1,050	765	7,299	2,027	3,071	2,201
Anchorage, AK	5,747	588	4	90	155	339	5,159	910	3,571	678
Lexington-Fayette, KY	7,208	785	9	63	201	513	6,423	1,410	4,676	337
Akron, OH	7,845	1,159	8	87	347	717	6,686	1,575	4,363	748
Aurora, CO	8,030	1,437	4	77	179	1,178	6,593	1,359	4,728	506
Baton Rouge, LA	12,384	1,855	21	48	354	1,432	10,529	2,633	6,544	1,353
Stockton, CA	11,503	1,245	24	80	619	523	10,258	2,404	6,180	1,674
Raleigh, NC	6,657	567	12	46	187	323	6,090	1,373	433	379
Shreveport, LA	10,741	1,272	33	67	445	727	9,469	2,578	6,462	430

<sup>1</sup> Data are not available for Pittsburgh, PA and Minneapolis, MN. <sup>2</sup> The rates for forcible rape, violent crime, and crime index are not shown because the forcible rape figures were not in accordance with national Uniform Crime Reporting guidelines.

# Murder—Homicide Victims—Forcible Rape

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## No. 291. Murder—Circumstances and Weapons Used or Cause of Death: 1980 to 1990

[Based solely on police investigation. For definition of murder, see text, section 5]

CHARACTERISTIC	1980	1985	1989	1990	CHARACTERISTIC	1980	1985	1989	1990
<b>Murders, total . . . . .</b>	<b>21,860</b>	<b>17,545</b>	<b>18,954</b>	<b>20,045</b>	Other motives . . . . .	20.6	18.1	19.0	19.5
<b>Percent distribution . . . . .</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	Unknown . . . . .	15.1	22.8	23.7	24.7
<b>CIRCUMSTANCES</b>									
Felonies, total . . . . .	17.7	17.9	21.4	20.5	TYPE OF WEAPON OR CAUSE OF DEATH				
Robbery . . . . .	10.8	9.2	9.1	9.2	Guns . . . . .	62.4	58.7	62.4	64.1
Narcotics . . . . .	1.7	2.9	7.4	6.5	Handguns . . . . .	45.8	43.0	47.6	49.5
Sex offenses . . . . .	1.5	1.5	1.1	1.1	Cutting or stabbing . . . . .	19.3	21.1	18.2	17.5
Other felonies . . . . .	3.7	4.3	3.8	3.7	Blunt objects . . . . .	5.0	5.5	6.0	5.4
Suspected felonies . . . . .	6.7	2.0	0.8	0.7	Personal weapons <sup>1</sup> . . . . .	5.9	6.7	5.5	5.5
Argument, total . . . . .	39.9	39.3	35.2	34.5	Strangulations, asphyxiations . . . . .	2.3	2.4	2.5	2.0
Property or money . . . . .	2.6	2.7	2.9	2.6	Fire . . . . .	2.0	1.3	1.4	1.4
Romantic triangle . . . . .	2.3	2.3	2.0	2.0	All other <sup>2</sup> . . . . .	3.8	4.2	4.1	4.1
Other arguments . . . . .	35.0	34.3	30.3	29.9					

<sup>1</sup> Refers to club, hammer, etc. <sup>2</sup> Hands, fists, feet, etc. <sup>3</sup> Includes poison, drowning, explosives, narcotics, and unknown.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

## No. 292. Homicide Victims, by Race and Sex: 1970 to 1989

[Rates per 100,000 resident population in specified group. Excludes deaths to nonresidents of United States Beginning 1980, deaths classified according to the ninth revision of the *International Classification of Diseases*; for earlier years, classified according to revision in use at the time; see text, section 2. See also *Historical Statistics, Colonial Times to 1970*, series H 971-978]

YEAR	HOMICIDE VICTIMS								HOMICIDE RATE <sup>2</sup>									
	Total <sup>1</sup>	White				Black				Total <sup>1</sup>	White				Black			
		Male	Female	Male	Female	Male	Female	Male	Female		Male	Female	Male	Female	Male	Female	Male	Female
1970 . . . . .	16,848	5,865	1,938	7,265	1,569	8.3	6.8	2.1	67.6	1970 . . . . .	8.3	9.0	2.9	69.0	14.9	13.3	11.2	11.3
1975 . . . . .	21,310	8,222	2,751	8,092	1,929	9.9	9.0	2.9	66.6	1975 . . . . .	9.9	10.9	3.2	66.6	13.5	12.7	11.4	11.5
1980 . . . . .	24,278	10,381	3,177	8,385	1,898	10.7	10.4	3.1	64.8	1980 . . . . .	10.7	10.4	3.1	64.8	12.7	12.0	10.8	10.9
1981 . . . . .	23,646	9,941	3,125	8,312	1,825	10.3	10.4	3.1	62.7	1981 . . . . .	10.3	10.4	3.1	62.7	11.3	11.2	10.2	10.3
1982 . . . . .	22,358	9,260	3,179	7,730	1,743	9.6	9.6	3.1	59.1	1982 . . . . .	9.6	9.6	3.1	59.1	12.0	11.9	10.8	10.9
1983 . . . . .	20,191	8,355	2,880	6,822	1,672	8.6	8.6	2.8	51.4	1983 . . . . .	8.6	8.6	2.8	51.4	11.3	11.2	10.1	10.2
1984 . . . . .	19,796	8,171	2,956	6,563	1,677	8.4	8.3	2.9	48.7	1984 . . . . .	8.4	8.3	2.9	48.7	11.2	11.1	10.0	10.1
1985 . . . . .	19,893	8,122	3,041	6,616	1,666	8.3	8.2	2.9	48.4	1985 . . . . .	8.3	8.2	2.9	48.4	11.0	10.9	9.8	9.9
1986 . . . . .	21,731	8,567	3,123	7,634	1,861	9.0	8.6	3.0	55.0	1986 . . . . .	9.0	8.6	3.0	55.0	12.1	12.0	10.9	11.0
1987 . . . . .	21,103	7,979	3,149	7,518	1,969	8.7	7.9	3.0	53.3	1987 . . . . .	8.7	7.9	2.9	53.3	12.6	12.5	11.4	11.5
1988 . . . . .	22,032	7,994	3,072	8,314	2,089	9.0	7.9	2.9	58.0	1988 . . . . .	9.0	7.9	2.9	58.0	13.2	13.1	12.0	12.1
1989 . . . . .	22,909	11,308	2,971	8,888	2,074	9.2	8.2	2.8	61.1	1989 . . . . .	9.2	8.2	2.8	61.1	12.9	12.8	11.7	11.8

<sup>1</sup> Includes races not shown separately. <sup>2</sup> Rate based on enumerated population figures as of April 1 for 1970 and 1980; July 1 estimates for other years.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual, and unpublished data.

## No. 293. Forcible Rape—Number and Rate, by Selected Characteristic: 1970 to 1990

[For definition of rape, see text, section 5]

ITEM	1970	1975	1980	1982	1983	1984	1985	1986	1987	1988	1989	1990
<b>NUMBER</b>												
Total . . . . .	37,990	56,090	82,990	78,770	78,920	84,230	88,670	91,460	91,110	92,490	94,500	102,560
By force . . . . .	26,888	41,501	63,599	59,967	61,019	66,367	71,060	73,453	73,456	75,441	78,411	86,541
Attempt . . . . .	11,102	14,589	19,391	18,803	17,901	17,863	17,610	18,007	17,654	17,049	16,089	16,019
<b>RATE</b>												
Per 100,000 population . . . . .	18.7	26.3	36.8	34.0	33.7	35.7	37.1	37.9	37.4	37.6	38.1	41.2
Per 100,000 females . . . . .	30.4	51.3	71.6	66.2	65.6	69.4	72.3	73.9	73.0	73.4	74.3	80.5
Per 100,000 females 12 years old and over . . . . .	46.3	62.9	86.3	79.3	78.5	83.0	86.6	88.6	87.5	88.1	89.3	96.6
<b>AVERAGE ANNUAL PERCENT CHANGE IN RATE<sup>1</sup></b>												
Per 100,000 population . . . . .	(NA)	0.4	6.1	-5.6	-0.9	5.9	3.9	2.2	1.3	0.5	1.3	8.1
Per 100,000 females 12 years old and over . . . . .	(NA)	-0.3	6.0	-5.7	-1.0	5.7	4.3	2.3	1.2	0.7	1.4	8.2

NA Not available. <sup>1</sup> Represents annual average from prior year shown except for 1975, from 1974; for 1980, from 1979; and for 1982, from 1981.

Source: U.S. Federal Bureau of Investigation, *Population-at-Risk Rates and Selected Crime Indicators*, annual.

**No. 294. Robbery and Property Crimes, by Type and Selected Characteristic:  
1980 to 1990**

[For definition of crime, see text, section 5]

ITEM	NUMBER OF OFFENSES (1,000)				RATE PER 100,000 INHABITANTS				AVERAGE VALUE LOST (dol.)	
	1980	1985	1989	1990	1980	1985	1989	1990	1989	1990
<b>Robbery, total<sup>1</sup></b>	<b>566</b>	<b>498</b>	<b>578</b>	<b>639</b>	<b>251.1</b>	<b>208.5</b>	<b>233.0</b>	<b>257.0</b>	<b>701</b>	<b>783</b>
Type of crime:										
Street or highway	293	273	318	359	130.1	114.4	128.0	144.2	538	633
Commercial house	78	60	68	73	34.6	25.3	27.5	29.5	1,214	1,341
Gas station	23	17	16	18	10.4	7.0	6.6	7.1	455	442
Convenience store	38	29	36	39	17.0	12.0	14.7	15.6	364	341
Residence	60	51	57	62	26.8	21.5	22.9	25.1	902	1,049
Bank	8	7	8	9	3.8	2.8	3.2	3.8	3,591	3,244
Weapon used:										
Firearm	228	176	192	234	101.3	73.6	77.3	94.1	(NA)	(NA)
Knife or cutting instrument	73	66	77	76	32.3	27.7	31.2	30.7	(NA)	(NA)
Other dangerous weapon	51	46	61	61	22.8	19.2	24.5	24.5	(NA)	(NA)
Strongarm	214	210	248	268	94.8	88.0	100.0	107.7	(NA)	(NA)
<b>Burglary, total</b>	<b>3,795</b>	<b>3,073</b>	<b>3,168</b>	<b>3,074</b>	<b>1,684.1</b>	<b>1,287.3</b>	<b>1,276.3</b>	<b>1,235.9</b>	<b>1,060</b>	<b>1,133</b>
Forcible entry	2,789	2,148	2,230	2,150	1,237.5	899.6	891.1	864.5	(NA)	(NA)
Unlawful entry	711	668	697	678	315.6	280.0	280.7	272.8	(NA)	(NA)
Attempted forcible entry	295	257	259	245	131.0	107.8	104.5	98.7	(NA)	(NA)
Residence	2,525	2,046	2,096	2,033	1,120.6	857.0	844.4	817.4	1,080	1,143
Nonresidence	1,270	1,027	1,072	1,041	563.5	430.3	431.9	418.5	1,023	1,110
Occurred during the night	1,508	1,177	1,170	1,135	669.0	493.1	471.2	456.4	(NA)	(NA)
Occurred during the day	1,263	1,025	1,134	1,151	560.3	429.2	456.8	462.8	(NA)	(NA)
<b>Larceny-theft, total</b>	<b>7,137</b>	<b>6,926</b>	<b>7,872</b>	<b>7,946</b>	<b>3,167.0</b>	<b>2,901.2</b>	<b>3,171.3</b>	<b>3,194.8</b>	<b>462</b>	<b>480</b>
Pocket picking	85	79	78	81	37.9	32.9	31.6	32.4	303	355
Purse snatching	107	83	89	82	47.5	35.0	35.8	32.8	244	278
Shoplifting	773	968	1,230	1,291	343.0	405.3	495.3	519.1	102	115
From motor vehicles	1,231	1,369	1,729	1,744	546.4	573.3	696.5	701.3	502	541
Motor vehicle accessories	1,366	1,158	1,227	1,185	606.2	485.2	494.3	476.3	315	319
Bicycles	715	566	431	443	317.5	237.3	173.7	178.2	204	215
From buildings	1,187	1,078	1,155	1,118	526.9	451.6	465.4	449.4	747	791
From coin-operated machines	58	60	65	63	25.8	24.9	26.2	25.4	153	147
Other	1,613	1,565	1,868	1,940	715.7	655.7	752.3	780.0	668	671
<b>Motor vehicles, total</b>	<b>1,132</b>	<b>1,103</b>	<b>1,565</b>	<b>1,636</b>	<b>502.2</b>	<b>507.8</b>	<b>630.4</b>	<b>657.8</b>	<b>5,222</b>	<b>5,032</b>
Automobiles	845	832	1,232	1,304	374.8	348.5	496.4	524.3	(NA)	(NA)
Trucks and buses	149	156	232	238	66.1	65.4	93.6	95.5	(NA)	(NA)

NA Not available. <sup>1</sup> Includes other crimes not shown separately.

<sup>2</sup> Includes other types of motor vehicles not shown separately.

Source: U.S. Federal Bureau of Investigation, *Population-at-Risk Rates and Selected Crime Indicators*, annual.

**No. 295. Number and Rate of Victimization for Crimes Against Persons and Households, by Type: 1973 to 1990**

[Data based on National Crime Survey; see text, section 5, and Appendix III]

YEAR	PERSONAL SECTOR						HOUSEHOLD SECTOR			
	Total	Violent crimes					Larceny-theft	Total	Burglary	Larceny
		Total	Rape	Robbery	Assault					
<b>NUMBER (1,000)</b>					Total	Aggravated	Simple			
1973	20,322	5,351	156	1,108	4,087	1,655	2,432	14,971	15,340	6,459
1975	21,867	5,573	154	1,147	4,272	1,631	2,641	16,294	17,400	6,744
1980	21,430	6,130	174	1,209	4,747	1,707	3,041	15,300	18,821	6,973
1985	19,296	5,823	138	985	4,699	1,605	3,094	13,474	15,568	5,594
1986	18,751	5,515	130	1,009	4,376	1,543	2,833	13,235	15,368	5,557
1987	19,371	5,796	148	1,046	4,602	1,587	3,014	13,575	15,866	5,705
1988	19,966	5,910	127	1,048	4,734	1,741	2,993	14,056	15,830	5,777
1989	19,691	5,861	135	1,092	4,634	1,665	2,969	13,829	16,128	5,352
1990	18,984	6,009	130	1,150	4,729	1,601	3,128	12,975	15,419	5,148
<b>RATE<sup>1</sup></b>										
1973	123.6	32.6	1.0	6.7	24.9	10.1	14.8	91.1	217.8	91.7
1975	128.9	32.8	0.9	6.8	25.2	9.6	15.6	96.0	236.5	91.7
1980	116.3	33.3	0.9	6.6	25.8	9.3	16.5	83.0	227.4	84.3
1985	99.4	30.0	0.7	5.1	24.2	8.3	15.9	69.4	174.4	62.7
1986	95.6	28.1	0.7	5.1	22.3	7.9	14.4	67.5	170.0	61.5
1987	98.0	29.3	0.8	5.3	23.3	8.0	15.2	68.7	173.9	62.1
1988	100.1	29.6	0.6	5.3	23.7	8.7	15.0	70.5	169.6	61.9
1989	97.8	29.1	0.7	5.4	23.0	8.3	14.7	68.7	169.9	56.4
1990	93.4	29.6	0.6	5.7	23.3	7.9	15.4	63.8	161.0	53.8

<sup>1</sup> Represents zero or rounds to zero. <sup>1</sup> Rate per 1,000 persons, 12 years old and over; and per 1,000 households.

Source: U.S. Bureau of Justice Statistics, *Criminal Victimization in the United States*, annual.

**No. 296. Victimization Rates for Crimes Against Persons: 1973 to 1990**

[Rates per 1,000 persons, 12 years old and over. Includes attempted crimes. Data based on National Crime Survey; see text, section 5, and Appendix III. Totals exclude personal larceny.]

YEAR	Total <sup>1</sup>	White	Black	Hispanic <sup>2</sup>	MALE			FEMALE			VICTIM-OFFENDER RELATIONSHIP	
					White	Black	Hispanic <sup>2</sup>	White	Black	Hispanic <sup>2</sup>	Stranger	Non-stranger
1973	33	32	42	36	43	53	53	21	32	22	22	11
1980	33	32	41	40	43	53	54	22	31	27	21	12
1981	35	33	50	39	44	61	53	23	40	26	23	12
1982	34	33	44	40	42	57	49	25	33	32	22	12
1983	31	30	41	38	39	50	48	21	33	29	18	13
1984	31	30	41	35	38	51	45	22	33	26	17	14
1985	30	29	38	30	38	47	33	21	31	27	18	12
1986	28	28	33	27	35	39	39	21	29	15	16	12
1987	29	28	42	39	36	52	44	20	34	35	17	13
1988	30	28	40	35	34	47	(NA)	22	35	(NA)	18	12
1989	29	28	36	39	35	50	50	22	25	28	18	12
1990	30	28	40	37	36	53	50	21	28	25	18	12

NA Not available. <sup>1</sup> Includes races not shown separately. <sup>2</sup> Hispanic persons may be of any race.

**No. 297. Crime Incidents, by Place and Time of Occurrence and Injury: 1990**

INCIDENT CHARACTERISTICS	Rape	ROBBERY			ASSAULT			Personal larceny with contact
		Total	Completed	Attempted	Total	Aggravated	Simple assault	
<b>Incidents, total . . . . .</b>	<b>124,480</b>	<b>1,036,840</b>	<b>724,950</b>	<b>311,890</b>	<b>4,089,660</b>	<b>1,282,850</b>	<b>2,806,810</b>	<b>632,010</b>
PERCENT DISTRIBUTION								
Place of occurrence . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Inside own home . . . . .	35.0	9.4	10.8	6.3	13.4	11.8	14.1	1.8
Near own home, on the street near home . . . . .	12.3	7.4	6.5	9.4	11.9	12.2	11.8	6.4
Friend's, relative's, or neighbor's home . . . . .	10.5	4.8	4.3	6.1	8.2	10.1	7.3	1.7
Inside commercial property . . . . .	9.4	4.9	6.4	1.5	13.7	11.9	14.5	26.5
In parking lot or garage . . . . .	3.4	12.7	11.4	15.8	7.9	9.6	7.1	6.5
Inside school, on school property . . . . .	0.0	4.8	4.0	6.7	11.4	6.2	13.8	5.4
In park, field, or playground . . . . .	0.5	3	3.3	12.5	4	4.8	3.6	0.8
On street not near own or friend's home . . . . .	17.9	41.2	42.8	37.3	20.0	22.1	19.1	23.0
Other . . . . .	11.0	11.7	10.6	14.5	9.6	11.2	8.7	27.8
Time of occurrence:								
Daytime (6 a.m. to 6 p.m.) . . . . .	27.0	44.0	42.5	47.5	48.6	41.7	51.7	65.6
Nighttime . . . . .	73.0	54.4	57.0	51.9	51.0	57.8	47.9	31.8
Percent of incidents:								
Involving the presence of a weapon . . . . .	17.2	49.6	50.5	47.5	28.8	91.8	(X)	(X)
Resulting in victim injury . . . . .	(NA)	34.5	35.7	31.6	33.0	39.2	29.8	(X)

NA Not available. X Not applicable. <sup>1</sup> Estimate based on about ten or fewer sample cases.

Source of tables 296 and 297: U.S. Bureau of Justice Statistics, *Criminal Victimization in the United States*, annual.

**No. 298. Weapons Used in Crime Incidents by Armed Offenders, by Type of Weapon and Crime: 1989**

RELATIONSHIP AND TYPE OF INCIDENT	Number of weapons used <sup>1</sup>	PERCENT DISTRIBUTION								
		Total	Firearm			Knife	Sharp object	Blunt object	Other	Type unknown
			Total	Hand gun	Other gun	Gun type unknown <sup>2</sup>				
Crimes of violence . . . . .	1,875,880	100.0	31.7	26.6	5.0	0.2	26.7	3.3	17.7	15.0
Completed . . . . .	787,900	100.0	27.1	24.7	2.2	0.3	26.9	4.9	17.6	18.5
Attempted . . . . .	1,087,970	100.0	35.1	27.9	7.0	0.2	26.6	2.2	17.9	12.5
Rape . . . . .	26,470	100.0	26.4	26.4	-	-	39.7	6.3	14.0	13.6
Robbery . . . . .	497,130	100.0	39.7	38.2	21.5	-	32.8	3.8	12.1	8.8
Aggravated assault . . . . .	1,350,260	100.0	28.9	22.3	6.3	0.3	24.2	3.1	19.9	17.4
Involving strangers:										
Crimes of violence . . . . .	1,301,160	100.0	35.5	29.9	5.4	0.1	25.4	3.7	15.9	13.8
Rape <sup>3</sup> . . . . .	26,070	100.0	19.6	19.6	-	-	43.4	6.8	15.3	14.9
Robbery . . . . .	430,950	100.0	42.3	41.1	21.3	-	31.2	4.4	12.2	6.6
Aggravated assault . . . . .	844,130	100.0	32.5	24.6	7.7	0.2	21.9	3.3	17.8	17.4
Involving nonstrangers:										
Crimes of violence . . . . .	574,720	100.0	23.3	18.9	4.0	0.4	29.7	2.4	21.9	17.8
Rape . . . . .	2,400	100.0	100.0	100.0	-	-	-	-	-	4.9
Robbery . . . . .	66,180	100.0	22.8	19.6	23.3	-	43.0	2.0	21.1	23.1
Aggravated assault . . . . .	506,130	100.0	23.0	18.4	4.1	0.4	28.1	2.8	23.4	17.2

<sup>1</sup> Represents zero.

<sup>2</sup> Some respondents may have cited more than one weapon present.

<sup>2</sup> Based on about 10 or fewer sample cases.

Source: U.S. Bureau of Justice Statistics, *Criminal Victimization in the United States, 1989*.

**No. 299. Households Touched by Crime, 1981 and 1990, and by Characteristic, 1990**

[A household is considered "touched by crime" if during the year it experienced a burglary, auto theft or household theft or if a household member was raped, robbed, or assaulted, or a victim of personal theft, no matter where the crime occurred. Data based on the National Crime Survey; see text, section 5, and Appendix III]

TYPE OF CRIME	1981		Number (1,000)	1989, prel.						
	Num- ber (1,000)	Percent touched		Percent touched						
				Total	White	Black	Urban	Sub- urban	Rural	
<b>Total</b>	<b>24,863</b>	<b>30.0</b>	<b>22,652</b>	<b>23.7</b>	<b>23.1</b>	<b>27.8</b>	<b>29.6</b>	<b>22.7</b>	<b>16.9</b>	
Violent crime	4,850	5.9	4,478	4.7	4.6	5.4	6.1	4.2	3.6	
Rape	165	0.2	104	0.1	0.1	0.1	0.2	0.1	0.1	
Robbery	1,117	1.3	967	1.0	0.8	2.2	1.8	0.7	0.4	
Assault	3,890	4.7	3,591	3.8	3.8	3.6	4.4	3.5	3.2	
Theft	17,705	21.4	15,905	16.7	16.6	17.0	20.3	16.5	11.6	
Burglary	6,101	7.4	4,557	4.8	4.3	7.9	6.7	3.9	3.7	
Motor vehicle theft	1,285	1.6	1,825	1.9	1.7	3.2	2.9	1.8	0.7	

<sup>1</sup> Includes other races not shown separately. <sup>2</sup> Types of crime will not add to "total" since each household may report as many crime categories as experienced.

Source: U.S. Bureau of Justice Statistics, 1981, *Households Touched by Crime*; 1990, *Crime and the Nation's Households, 1990*.

**No. 300. Reported Child Neglect and Abuse Cases, by Division: 1980 to 1987**

[Represents total number of child maltreatment reports documented within the States, including substantiated and unsubstantiated reports. Derived from data provided by State child protective services personnel to the National Study on Child Neglect and Abuse Reporting, conducted by the American Association for Protecting Children, a division of the American Humane Association, and funded through the National Center on Child Abuse and Neglect, OHDS, DHHS. Also the figures embody the variation among States with respect to whether they use individual child reports or reports which indicate all involved children in the family. Data for 1988 are not available as no survey was taken. For composition of divisions, see fig. I, inside front cover.]

YEAR	U.S., total	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mount- ain	Pacific
<b>Total number of reports (1,000):</b>										
1980	785.1	48.3	91.8	105.3	77.7	154.5	58.2	69.7	37.7	141.8
1981	846.2	39.0	101.9	110.5	85.7	174.8	66.1	88.4	37.3	142.5
1982	924.1	49.9	105.5	126.0	96.8	182.1	75.4	95.8	41.5	151.0
1983	1,001.4	58.5	101.0	141.6	93.8	228.5	62.3	103.0	49.5	163.3
1984	1,155.6	55.2	145.6	182.7	107.9	205.4	93.0	116.0	60.0	189.8
1985	1,299.4	59.9	152.2	208.7	107.7	225.0	121.6	128.3	77.6	218.4
1986	1,973.4	95.8	228.1	313.5	207.9	299.2	123.6	188.1	98.9	418.3
1987	2,025.2	99.8	242.5	334.6	180.6	293.4	127.5	174.9	128.2	443.7
<b>Reports per 1,000 population:</b>										
1980	3.5	3.9	2.5	2.5	4.5	4.2	4.0	2.9	3.3	4.4
1981	3.7	3.1	2.8	2.6	5.0	4.6	4.5	3.6	3.2	4.4
1982	4.0	4.0	2.9	3.0	5.6	4.8	5.1	3.8	3.4	4.6
1983	4.3	4.7	2.7	3.4	5.4	5.9	4.2	4.0	4.0	4.8
1984	4.9	4.4	3.9	4.4	6.2	5.2	6.2	4.4	4.8	5.5
1985	5.4	4.7	4.1	5.0	6.1	5.6	8.0	4.8	6.1	6.2
1986	8.2	7.5	6.1	7.5	11.8	7.3	8.1	7.0	7.6	11.7
1987	8.3	7.8	6.5	8.0	10.2	7.0	8.3	6.5	9.7	12.1

Source: American Humane Association, Denver, CO, *National Analysis of Official Child Neglect and Abuse Reporting*, annual; and unpublished data.

**No. 301. Child Maltreatment Cases Reported—Summary: 1976 to 1986**

[In percent, except as indicated. Total number of children reported is generally a duplicate count in that a child may be reported and therefore enumerated more than once each year. Because of differences in enumeration methods, a relatively small number of States (5 to 10) can provide only unduplicated reports, whereas most States provide only duplicated counts]

ITEM	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
<b>Number of children reported (1,000) . . . . .</b>	<b>669</b>	<b>838</b>	<b>836</b>	<b>988</b>	<b>1,154</b>	<b>1,225</b>	<b>1,262</b>	<b>1,477</b>	<b>1,727</b>	<b>1,928</b>	<b>2,086</b>
Rate per 10,000 children . . . . .	101	128	129	154	181	194	201	236	273	306	328
Type of maltreatment:											
Deprivation of necessities . . . . .	70.7	64.0	62.9	63.1	60.7	59.4	62.5	58.4	54.6	53.6	54.9
Minor physical injury . . . . .	18.9	20.8	21.2	15.4	19.8	20.4	16.8	18.5	17.7	17.8	13.9
Sexual maltreatment . . . . .	3.2	6.1	6.6	5.8	6.8	7.5	6.9	8.5	13.3	13.8	15.7
Emotional maltreatment . . . . .	21.6	25.4	23.8	14.9	13.5	11.9	10.0	10.1	11.2	11.5	8.3
Other maltreatment . . . . .	11.2	11.6	11.3	15.8	14.7	19	16.3	16.7	16.5	13.8	21.6
Characteristics of child involved:											
Age, average (years) . . . . .	7.7	7.6	7.4	7.5	7.3	7.2	7.1	7.1	7.2	7.2	7.2
Sex: Male . . . . .	50.0	49.9	49.4	49.5	49.8	49.2	49.5	48.9	48.0	47.6	47.5
Female . . . . .	50.0	50.1	50.6	50.5	50.2	50.5	50.5	51.1	52.0	52.4	52.5
Characteristics of perpetrator:											
Age, average (years) . . . . .	32.3	31.7	31.1	32.0	31.4	33.8	31.2	31.3	31.5	31.6	31.7
Sex: Male . . . . .	39.0	39.2	39.0	38.1	41.2	39.3	38.6	40.4	43.0	44.1	44.1
Female . . . . .	61.0	60.8	61.0	61.9	58.8	60.7	61.4	59.6	57.0	55.9	55.9

Source: American Humane Association, Denver, CO, *National Study on Child Neglect and Abuse Reporting*, annual.

# Persons Arrested—Drug Use

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## No. 302. Persons Arrested, by Charge, Sex, and Age: 1990

[Represents arrests (not charges) reported by 10,206 agencies (reporting 12 months) with a total 1990 population of 194 million as estimated by FBI]

CHARGE	Total (1,000)	PERCENT DISTRIBUTION							
		Male	Under 15 years	Under 18 years	18-24 years	25-44 years	45-54 years	55-64 years	65 yr. and over
Total arrests . . . . .	11,250	81.6	5.3	15.6	30.1	47.0	4.9	1.8	0.7
Serious crimes <sup>1</sup> . . . . .	2,328	78.1	11.3	28.1	28.4	37.7	3.5	1.4	0.9
Murder and nonnegligent manslaughter . . . . .	18	89.8	1.5	14.0	37.7	40.8	4.7	1.8	1.0
Forcible rape . . . . .	31	98.9	5.2	14.9	29.3	48.7	4.7	1.7	0.7
Robbery . . . . .	136	91.7	6.5	24.2	37.4	36.8	1.3	0.3	0.1
Aggravated assault . . . . .	377	86.7	3.9	13.6	28.7	50.2	5.0	1.8	0.7
Burglary <sup>2</sup> . . . . .	341	91.2	13.0	33.0	32.0	32.9	1.6	0.4	0.1
Larceny—theft . . . . .	1,241	68.0	13.5	30.0	26.0	37.0	4.0	1.8	1.2
Motor vehicle theft . . . . .	168	90.0	12.0	43.3	31.2	23.9	1.2	0.3	0.1
Arson . . . . .	15	87.0	28.7	43.8	19.7	30.6	3.9	1.5	0.6
All other nonserious crimes:									
Other assaults . . . . .	801	83.9	5.8	14.9	27.6	51.0	4.5	1.5	0.6
Forgery and counterfeiting . . . . .	74	65.4	1.6	9.1	34.6	51.5	3.7	0.8	0.3
Fraud . . . . .	280	55.8	0.9	3.4	28.3	59.9	6.1	1.7	0.6
Embezzlement . . . . .	12	58.8	0.7	7.2	36.7	49.2	5.0	1.4	0.4
Stolen property <sup>3</sup> . . . . .	132	88.0	7.0	25.9	36.1	34.5	2.5	0.7	0.2
Vandalism . . . . .	257	89.2	19.7	40.4	28.6	28.2	1.9	0.6	0.3
Weapons (carrying, etc.) . . . . .	176	92.6	4.7	18.2	35.1	40.1	4.3	1.7	0.7
Prostitution and commercialized vice . . . . .	91	36.0	0.2	1.4	28.9	64.6	3.5	1.1	0.5
Sex offenses <sup>4</sup> . . . . .	85	92.3	8.0	15.9	20.9	49.3	7.8	3.9	2.1
Drug abuse violations . . . . .	869	83.2	1.0	7.4	33.1	55.6	3.1	0.6	0.2
Gambling . . . . .	15	86.2	1.0	5.2	16.8	45.3	17.1	10.7	4.9
Offenses against family and children . . . . .	66	82.2	1.2	4.0	24.1	63.9	6.0	1.5	0.6
Driving while intoxicated . . . . .	1,391	87.2	(Z)	1.1	25.0	61.1	8.3	3.3	1.2
Liquor laws . . . . .	552	81.3	1.9	22.1	55.2	18.6	2.6	1.1	0.4
Drunkenness . . . . .	717	90.0	0.3	2.7	24.0	58.3	9.3	4.1	1.6
Disorderly conduct . . . . .	580	80.9	5.1	16.6	34.4	43.2	3.9	1.4	0.6
Vagrancy . . . . .	31	87.4	2.5	8.1	22.5	56.3	8.6	3.4	1.0
Suspicion . . . . .	18	85.0	6.2	17.4	28.1	50.1	3.4	0.8	0.3
Curfew, loitering (juveniles) . . . . .	65	72.0	28.9	100.0	(X)	(X)	(X)	(X)	
Runaways (juveniles) . . . . .	138	43.6	43.8	100.0	(X)	(X)	(X)	(X)	
All other offenses, except traffic . . . . .	2,572	83.4	2.8	9.7	32.0	51.3	4.8	1.6	0.7

<sup>2</sup> Not applicable. <sup>3</sup> Less than .05 percent. <sup>1</sup> Includes arson arrests, a newly established index offense in 1979. <sup>4</sup> Breaking or entering. <sup>5</sup> Buying, receiving, possessing. <sup>6</sup> Excludes forcible rape and prostitution, shown separately.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

## No. 303. Drug Use Among Persons Arrested—Percent Testing Positive, by Sex and Selected City: 1990 and 1991

[Based on the Drug Use Forecasting System, which measures drug use among persons arrested for primarily serious nondrug crimes. The program obtains voluntary, confidential urinalysis specimens from a new sample of arrestees each quarter]

CITY	MALES					FEMALES				
	July-Sept. 1990	Oct.-Dec. 1990	Jan.-Mar. 1991	Apr.-June 1991	July-Sept. 1991	July-Sept. 1990	Oct.-Dec. 1990	Jan.-Mar. 1991	Apr.-June 1991	July-Sept. 1991
Birmingham, AL . . . . .	56	60	66	61	57	74	58	67	66	54
Chicago, IL . . . . .	75	72	77	75	68	(NA)	(NA)	(NA)	(NA)	(NA)
Cleveland, OH . . . . .	49	57	57	56	53	(NA)	71	86	78	75
Dallas, TX . . . . .	51	50	52	56	55	51	56	64	52	57
Denver, CO . . . . .	35	46	56	54	(NA)	53	52	57	54	48
Detroit, MI . . . . .	45	56	58	57	49	67	77	68	70	66
Ft. Lauderdale, FL . . . . .	56	57	65	60	60	66	54	65	60	63
Houston, TX . . . . .	60	55	68	64	62	49	53	52	60	58
Indianapolis, IN . . . . .	33	38	53	39	43	28	26	57	52	56
Kansas City, MO . . . . .	39	42	56	49	(NA)	56	69	67	67	(NA)
Los Angeles, CA . . . . .	66	56	62	62	60	71	69	76	77	70
New Orleans, LA . . . . .	62	58	54	63	62	55	56	47	58	44
New York, NY . . . . .	80	75	75	79	69	70	(NA)	74	74	84
Omaha, NE . . . . .	22	23	42	40	23	(NA)	(NA)	(NA)	(NA)	(NA)
Philadelphia, PA . . . . .	73	72	76	77	70	74	69	74	75	76
Phoenix, AZ . . . . .	45	44	49	50	42	55	47	68	60	59
Portland, OR . . . . .	57	70	65	56	61	57	56	65	72	71
St. Louis, MO . . . . .	42	48	57	57	57	52	46	58	62	38
San Antonio, TX . . . . .	43	44	52	46	44	43	45	56	39	52
San Diego, CA . . . . .	79	74	79	76	74	75	72	75	71	74
San Jose, CA . . . . .	49	54	65	56	57	48	61	56	56	45
Washington, DC . . . . .	58	55	61	63	59	72	58	74	78	70

NA Not available.

Source: U.S. National Institute of Justice, *Drug Use Forecasting*, quarterly.

**No. 304. Drug Arrest Rates for Drug Abuse Violations, 1980 to 1990, and by Region, 1990**

[Rate per 100,000 inhabitants. Based on Bureau of the Census estimated resident population as of July 1, except 1980 and 1990, enumerated as of April 1. For composition of regions, see fig. 1 inside front cover]

OFFENSE	1980	1985	1987	1988	1989	1990				
						Total	Region			
							North-east	Mid-west	South	West
<b>Drug arrest rate, total . . . . .</b>	<b>256.0</b>	<b>346.2</b>	<b>400.9</b>	<b>423.4</b>	<b>526.8</b>	<b>437.5</b>	<b>522.6</b>	<b>228.4</b>	<b>395.2</b>	<b>614.4</b>
Sale and/or manufacture . . . . .	57.9	82.0	103.6	118.8	170.8	140.4	219.7	72.3	112.2	171.7
Heroin or cocaine <sup>1</sup> . . . . .	10.8	27.8	56.7	75.1	101.0	94.3	184.8	26.2	76.5	102.6
Marijuana . . . . .	28.4	36.4	28.1	23.6	33.0	26.6	25.0	16.4	25.1	39.7
Synthetic or manufactured drugs . . . . .	2.8	2.6	3.5	3.5	3.8	2.8	2.8	1.7	4.1	2.0
Other dangerous nonnarcotic drugs . . . . .	15.9	15.2	15.3	16.7	33.1	16.6	7.0	28.1	6.5	27.5
Possession . . . . .	198.1	264.1	297.2	304.6	356.0	297.2	302.9	156.1	283.0	442.7
Heroin or cocaine <sup>1</sup> . . . . .	22.2	74.4	126.2	147.2	183.0	145.0	174.9	44.9	121.1	243.6
Marijuana . . . . .	146.2	156.1	133.8	118.5	121.1	104.0	110.0	83.1	125.2	90.9
Synthetic or manufactured drugs . . . . .	6.7	5.6	7.0	7.9	7.4	6.7	5.8	3.4	11.8	3.8
Other dangerous nonnarcotic drugs . . . . .	23.0	28.1	30.3	31.0	44.4	41.5	12.1	24.7	24.9	104.3

<sup>1</sup> Includes other derivatives such as morphine, heroin, and codeine.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

**No. 305. Drug Removals, Laboratory Seizures, and Persons Indicted, by DEA: 1985 to 1990**

[Represents domestic drug removals. 1 kg = .454 lbs; du = dosage unit. Minus sign (-) indicates decrease]

ITEM	Unit	1985	1986	1987	1988	1989	1990	PERCENT CHANGE	
								1985-90	1989-90
<b>Domestic drug removals:</b>									
Heroin . . . . .	kg . . . . .	447	382	382	829	629	637	42.5	1.3
Cocaine . . . . .	kg . . . . .	18,129	26,954	37,405	57,113	82,438	72,881	302.0	-11.6
Cannabis (Marijuana) . . . . .	1,000 kg . . . . .	745	711	649	602	336	149	-80.0	-55.7
Dangerous drugs . . . . .	mil. du . . . . .	26	32	34	114	109	147	465.4	34.9
Clandestine laboratory seizures . . . . .	Number . . . . .	338	509	682	810	852	549	62.4	-35.6
Narcotic Title III intercepts . . . . .	Number . . . . .	136	79	93	129	192	235	72.8	22.4
<b>Asset removals:</b>									
Total seizures . . . . .	\$1,000 . . . . .	246,344	401,415	504,397	671,290	975,884	1,068,268	333.6	9.5
DEA seizures . . . . .	\$1,000 . . . . .	171,888	310,730	402,071	483,355	659,802	862,361	401.7	30.7
Seizures through interagency cooperation . . . . .	\$1,000 . . . . .	74,456	90,684	102,308	187,936	316,082	205,907	176.5	-34.9
Arrests . . . . .	Number . . . . .	15,727	18,667	21,869	23,994	25,718	22,800	45.0	-11.3
Convictions . . . . .	Number . . . . .	10,519	12,028	12,427	13,091	15,917	15,529	47.6	-2.4

Source: Drug Enforcement Administration, unpublished data.

**No. 306. Authorized Intercepts of Communication-Summary: 1970 to 1990**

[Data for jurisdictions with statutes authorizing or approving interception of wire or oral communication]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Jurisdictions: <sup>1</sup>													
With wiretap statutes . . . . .	19	24	28	29	29	31	31	32	32	33	34	37	40
Reporting interceptions . . . . .	12	18	22	22	20	24	22	24	22	23	25	25	25
Intercept applications authorized . . . . .	596	701	564	589	578	648	801	784	754	673	738	763	872
Intercept installations . . . . .	582	676	524	562	518	602	773	722	676	634	678	720	812
Federal . . . . .	179	106	79	106	129	205	277	235	247	233	286	305	321
State . . . . .	403	570	445	456	389	397	496	487	429	401	392	415	491
Intercepted communications, avg. <sup>2</sup> . . . . .	655	654	1,058	848	1,082	1,107	1,209	1,320	1,328	1,299	1,251	1,656	1,487
Incriminating . . . . .	295	305	315	190	209	229	298	275	253	230	316	337	321
Persons arrested <sup>3</sup> . . . . .	1,874	2,234	1,871	1,735	1,725	1,716	2,393	2,469	2,410	2,226	2,486	2,804	2,057
Convictions . . . . .	151	336	259	248	453	521	649	660	761	506	543	706	420
Major offense specified:													
Gambling . . . . .	325	408	199	156	150	157	186	206	189	135	126	111	116
Drugs . . . . .	127	178	282	318	333	360	483	434	348	379	435	471	520
Homicide and assault . . . . .	21	16	13	33	31	31	30	25	34	18	14	20	21
Other . . . . .	123	99	70	82	64	100	102	119	183	141	163	161	204

<sup>1</sup> Jurisdictions include Federal Government, States, and beginning 1975, District of Columbia. <sup>2</sup> Average per authorized installation. <sup>3</sup> Based on information received from intercepts installed in year shown; additional arrests/convictions will occur in subsequent years but are not shown here.

Source: Administrative Office of the U.S. Courts, *Report on Applications for Orders Authorizing or Approving the Interception of Wire, Oral or Electronic Communications*, (Wiretap Report), annual.

**No. 307. Aliens Expelled and Immigration Violations: 1970 to 1991**

[For fiscal years ending in year shown. See text, section 9. See also *Historical Statistics, Colonial Times to 1970*, series C 144, C 149, and C 158-160]

ITEM	Unit	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Aliens expelled.....	1,000 .....	320	679	737	1,062	1,608	1,113	934	860	1,045	1,091
Deported .....	1,000 .....	17	23	17	21	22	22	23	30	26	28
Required to depart .....	1,000 .....	303	656	719	1,041	1,586	1,091	911	830	1,019	1,063
Prosecutions disposed of	Number .....	6,034	14,172	14,863	17,588	23,405	18,894	18,360	18,580	20,079	18,882
Immigration violations .....	Number .....	5,510	13,947	14,498	16,976	22,751	18,200	17,590	17,992	19,351	18,297
Nationality violations .....	Number .....	524	225	365	712	654	694	770	588	728	585
Convictions .....	Number .....	5,497	12,811	12,935	9,833	15,259	11,996	12,208	12,561	12,719	11,509
Immigration violations .....	Number .....	4,991	12,676	12,678	9,635	15,104	11,786	11,929	12,379	12,515	11,392
Nationality violations .....	Number .....	506	135	257	198	155	210	279	182	204	117

**No. 308. Immigration Border Patrol and Investigation Activities: 1985 to 1991**

[In thousands, except where indicated. For fiscal years ending in year shown. See text, section 9]

ITEM	1985	1989	1990	1991	ITEM	1985	1989	1990	1991
<b>BORDER PATROL</b>					Other.....	37.8	55.5	42.8	31.1
Border patrol agents:					Number of seizures.....	7,827	10,789	17,275	14,693
Authorized (number) .....	3,228	4,804	4,852	4,968	Value of seizures (mil. dol.) .....	122.0	1,212.7	843.6	950.2
On duty (number) .....	3,023	3,857	4,360	4,312	Narcotics (mil. dol.) .....	119.8	1,191.5	797.8	910.1
Border patrol obligations (mil. dol.) .....	141.9	246.4	261.1	295.5	<b>INVESTIGATION</b>				
Persons apprehended <sup>1</sup> .....	1,272.4	906.5	1,123.2	1,152.7	Deportable aliens located .....	83.9	61.1	64.1	63.6
Deportable aliens located <sup>2</sup> .....	1,262.4	893.0	1,103.4	1,132.9	Mexican .....	48.3	33.1	35.8	35.5
Mexican .....	1,218.7	832.2	1,054.8	1,085.1	Canadian .....	1.1	0.5	0.4	0.5
Canadian .....	5.9	5.3	5.7	6.7	Other .....	34.5	28.5	30.0	29.7

<sup>1</sup> Covers deportable aliens located and U.S. citizens engaged in smuggling or other immigration violations. <sup>2</sup> Beginning 1988, includes apprehension by the antismuggling unit. <sup>3</sup> Includes types not shown separately.

Source of tables 307 and 308: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual; and unpublished data.

**No. 309. Law Enforcement Officers Killed, by Division, or Assaulted, by Type of Weapon Used: 1980 to 1990**

[Covers officers killed feloniously and accidentally in line of duty; includes Federal officers. 1988 excludes Florida and Kentucky. For composition of regions, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series H 987-998]

ITEM	1980	1982	1983	1984	1985	1986	1987	1988	1989	1990
<b>OFFICERS KILLED</b>										
Total killed.....	1 <sup>165</sup>	2 <sup>164</sup>	3 <sup>152</sup>	147	4 <sup>148</sup>	133	148	5 <sup>155</sup>	6 <sup>145</sup>	132
Northeast .....	31	17	20	21	19	15	24	17	23	13
Midwest .....	23	41	26	22	23	20	31	18	22	20
South .....	72	75	64	69	64	63	51	77	68	68
West .....	32	27	34	32	29	29	40	39	23	23
Puerto Rico .....	6	3	6	3	10	6	2	-	8	8
<b>ASSAULTS</b>										
Population (1,000) <sup>8</sup> .....	182,288	176,563	198,341	195,794	198,935	196,030	190,025	186,418	189,641	199,065
Number of—										
Agencies represented .....	9,235	8,829	9,908	10,002	9,906	9,755	8,957	8,866	9,213	9,483
Police officers .....	345,554	319,101	377,620	372,268	389,808	380,249	378,977	369,743	380,232	412,314
Total assaulted .....	57,847	55,775	62,324	60,153	61,724	64,259	63,842	68,752	62,172	71,794
Firearm .....	3,295	2,642	3,067	2,654	2,793	2,852	2,789	2,759	3,154	3,662
Knife or cutting instrument .....	1,653	1,452	1,829	1,662	1,715	1,614	1,561	1,367	1,379	1,641
Other dangerous weapon .....	5,415	4,879	5,527	5,148	5,263	5,721	5,685	5,573	5,778	7,390
Hands, fists, feet, etc .....	47,484	46,802	51,901	50,689	51,953	54,072	53,807	49,053	51,861	59,101

<sup>1</sup> Represents zero. <sup>2</sup> Includes one officer in Virgin Islands. <sup>3</sup> Includes one officer in Mariana Islands. <sup>4</sup> Includes one officer each in Guam and Mariana Islands. <sup>5</sup> Includes one officer in Guam and two in foreign locations. <sup>6</sup> Includes one officer in American Samoa and two in foreign locations. <sup>7</sup> Includes one officer killed in Guam and one Federal officer killed in Peru.

<sup>8</sup> Represents the number of persons covered by agencies shown.

Source: U.S. Federal Bureau of Investigation, *Law Enforcement Officers Killed and Assaulted*, annual.

### No. 310. Criminal Justice System—Public Expenditures and Employment, by Activity and Level of Government: 1988

[Based on a sample survey of local governments. Data for State governments were compiled from State financial records and for the Federal Government from the *Budget of the United States Government*.]

TYPE OF GOVERNMENT	Total	Percent change from 1985	ACTIVITY					
			Police protection	Judicial	Legal services	Public defense	Corrections	Other justice
<b>TOTAL EXPENDITURES<sup>1</sup></b> (mil. dol.)								
All governments <sup>2</sup> .....	60,980	33.7	27,956	7,618	4,229	1,398	19,119	591
Federal government .....	7,794	33.9	3,555	1,158	1,022	385	1,226	447
State and local government <sup>2</sup> .....	53,517	34.0	24,401	6,460	3,277	1,013	17,962	384
State government .....	22,120	38.1	4,513	3,071	1,076	428	12,671	361
Local government .....	33,535	32.2	20,333	3,688	2,237	618	6,530	131
<b>FULL-TIME EQUIVALENT EMPLOYMENT</b> (1,000)								
All governments <sup>2</sup> .....	1,601	16.9	784	209	104	14	483	6
Federal government .....	118	9.4	65	18	16	(Z)	17	(Z)
State and local government <sup>2</sup> .....	1,483	17.7	719	191	88	13	465	6
State government .....	518	20.1	115	67	28	6	297	4
Local government .....	965	16.4	604	124	60	7	168	2

<sup>2</sup> Fewer than 500. <sup>1</sup> Covers direct and intergovernmental expenditures. <sup>2</sup> Totals are adjusted to exclude duplication from intergovernmental expenditures.

Source: U.S. Bureau of Justice Statistics, *Justice Expenditure and Employment in the U.S., 1988*, July 1990.

### No. 311. General Purpose Law Enforcement Agencies—Number, Employment, and Expenditures: 1987

[Includes both full-time and part-time employees. State police data are based on the 49 main State police agencies; Hawaii does not have a State police agency. Expenditure data cover fiscal years ending in year stated]

TYPE OF AGENCY	Number of agencies <sup>1</sup>	NUMBER OF EMPLOYEES			EXPENDITURES (mil. dol.)		
		Total	Sworn	Civilian	Total	Operating	Capital
<b>NUMBER</b>							
Total .....	15,118	757,508	555,364	202,144	28,071.1	26,334.4	1,736.6
Local police .....	11,989	493,930	376,023	117,907	18,011.3	17,161.4	849.9
Sheriff .....	3,080	189,234	129,728	60,506	6,857.8	6,200.2	657.6
State police .....	49	74,344	50,613	23,731	3,202.0	2,972.9	229.1
<b>PERCENT</b>							
Total .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Local police .....	79.3	65.2	67.7	58.3	64.2	65.2	48.9
Sheriff .....	20.4	25.0	23.2	29.9	24.4	23.5	37.9
State police .....	0.3	9.8	9.1	11.7	11.4	11.3	13.2

<sup>1</sup> The number of agencies reported here is the result of a weighted sample and not an exact enumeration.

Source: U.S. Bureau of Justice Statistics, *Profile of State and Local Law Enforcement Agencies, 1987*, March 1989.

### No. 312. Special Functions of Local Police Agencies: 1987

[Special functions are those functions that go beyond such traditional law enforcement functions as traffic enforcement, accident investigation, crime investigation, patrol, fingerprinting, and communications]

POPULATION SERVED	PERCENT OF ALL AGENCIES THAT REPORTED HAVING PRIMARY RESPONSIBILITY FOR—								
	Animal control	Emergency medical services	Court security	Civil defense	Civil process-serving	Jail operations	Training academy operation	Laboratory testing for drugs	
All sizes .....	49.9	25.3	21.8	21.1	17.7	12.4	6.5	4.3	2.2
1,000,000 or more .....	-	30.6	7.6	30.8	7.6	15.4	84.7	76.9	76.9
500,000-999,999 .....	6.9	20.6	10.4	20.6	6.9	10.4	82.8	48.2	55.2
250,000-499,999 .....	16.7	9.5	11.9	14.3	7.1	23.8	85.7	45.3	47.6
100,000-249,999 .....	28.6	17.6	19.1	14.2	8.1	33.0	49.9	16.9	13.9
50,000-99,999 .....	50.0	27.1	33.7	28.6	9.3	25.5	25.7	17.1	3.5
25,000-49,999 .....	51.2	26.4	27.8	21.5	9.2	25.6	9.8	9.6	0.8
10,000-24,999 .....	54.2	27.9	24.6	23.0	11.7	20.8	6.9	4.2	2.1
2,500-9,999 .....	55.2	27.4	23.1	21.5	16.3	12.5	5.2	3.0	1.0
Under 2,500 .....	44.7	22.4	17.9	19.6	23.9	5.1	2.8	2.5	2.1

- Represents zero.

Source: U.S. Bureau of Justice Statistics, *Profile of State and Local Law Enforcement Agencies, 1987*, March 1989.

**No. 313. State and Local Government Police Protection and Correction—Employment and Expenditures: 1988**

[Employment as of October. Expenditures for fiscal years ending between July 1987 and June 1988. Local government data are estimates subject to sampling variation; see Appendix III and source. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	FULL-TIME EQUIVALENT EMPLOYMENT				EXPENDITURES			
	Total	Police protection	Correction	Per 10,000 population <sup>1</sup>		Total <sup>2</sup> (mil. dol.)	Per capita <sup>1</sup> (dol.)	Police protection (mil. dol.)
				Police protection	Correction			
<b>United States . . .</b>	<b>1,106,891</b>	<b>671,854</b>	<b>435,237</b>	<b>27.3</b>	<b>17.7</b>	<b>56,453</b>	<b>230</b>	<b>26,277</b>
<b>Northeast . . .</b>	<b>261,433</b>	<b>162,186</b>	<b>99,247</b>	<b>32.1</b>	<b>19.6</b>	<b>13,876</b>	<b>274</b>	<b>6,432</b>
New England . . .	52,863	36,796	16,067	28.4	24.4	2,833	219	1,421
Maine . . .	4,228	2,777	1,451	23.0	12.0	171	142	79
New Hampshire . . .	3,823	2,756	1,067	25.4	9.8	192	177	95
Vermont . . .	1,801	1,224	577	22.0	10.4	81	145	39
Massachusetts . . .	25,295	17,881	7,414	30.4	12.6	1,443	245	716
Rhode Island . . .	3,999	2,803	1,196	28.2	12.0	201	203	102
Connecticut . . .	13,717	9,355	4,362	28.9	13.5	745	230	390
<b>Middle Atlantic . . .</b>	<b>208,570</b>	<b>125,390</b>	<b>83,180</b>	<b>33.3</b>	<b>22.1</b>	<b>11,043</b>	<b>294</b>	<b>5,011</b>
New York . . .	118,463	66,261	52,202	37.0	29.1	6,865	383	3,032
New Jersey . . .	46,736	30,476	16,260	39.5	21.1	2,125	275	1,054
Pennsylvania . . .	43,371	28,653	14,718	23.9	12.3	2,053	171	926
<b>Midwest . . .</b>	<b>232,156</b>	<b>153,034</b>	<b>79,122</b>	<b>25.6</b>	<b>13.2</b>	<b>11,363</b>	<b>190</b>	<b>5,660</b>
<b>East North Central . . .</b>	<b>169,564</b>	<b>112,153</b>	<b>57,411</b>	<b>26.6</b>	<b>13.6</b>	<b>8,520</b>	<b>202</b>	<b>4,250</b>
Ohio . . .	38,432	24,947	13,485	23.0	12.4	2,126	196	964
Indiana . . .	19,074	12,306	6,768	22.1	12.2	727	131	342
Illinois . . .	54,485	38,541	15,944	33.2	13.7	2,435	210	1,370
Michigan . . .	39,440	23,463	15,977	25.4	17.3	2,292	248	1,052
Wisconsin . . .	18,133	12,896	5,237	26.6	10.8	940	194	521
<b>West North Central . . .</b>	<b>62,592</b>	<b>40,881</b>	<b>21,711</b>	<b>23.0</b>	<b>12.2</b>	<b>2,843</b>	<b>180</b>	<b>1,410</b>
Minnesota . . .	12,949	8,564	4,385	19.9	10.2	801	186	383
Iowa . . .	8,317	5,713	2,604	20.2	9.2	409	144	196
Missouri . . .	21,186	13,665	7,521	26.6	14.6	837	163	442
North Dakota . . .	1,784	1,303	481	19.5	7.2	82	123	37
South Dakota . . .	2,212	1,497	715	21.0	10.0	91	127	46
Nebraska . . .	5,826	3,619	2,207	22.6	13.8	226	141	113
Kansas . . .	10,318	6,520	3,798	26.1	15.2	397	159	193
<b>South . . .</b>	<b>378,897</b>	<b>218,604</b>	<b>160,293</b>	<b>25.8</b>	<b>18.9</b>	<b>16,229</b>	<b>192</b>	<b>7,541</b>
<b>South Atlantic . . .</b>	<b>210,522</b>	<b>116,902</b>	<b>93,620</b>	<b>27.6</b>	<b>22.1</b>	<b>9,517</b>	<b>224</b>	<b>4,332</b>
Delaware . . .	3,349	1,769	1,580	26.8	23.9	171	260	76
Maryland . . .	25,305	14,041	11,264	30.4	24.4	1,232	267	551
District of Columbia . . .	8,291	4,594	3,697	73.4	59.1	591	958	231
Virginia . . .	27,646	14,136	13,510	23.5	22.5	1,227	204	553
West Virginia . . .	4,511	3,184	1,327	17.0	7.1	169	90	81
North Carolina . . .	26,889	15,728	11,161	24.2	17.2	1,149	177	511
South Carolina . . .	16,004	8,335	7,669	24.0	22.1	560	161	230
Georgia . . .	29,158	16,532	12,626	26.1	19.9	1,186	187	529
Florida . . .	69,369	38,583	30,786	31.3	25.0	3,231	262	1,570
<b>East South Central . . .</b>	<b>54,880</b>	<b>33,814</b>	<b>21,066</b>	<b>22.0</b>	<b>13.7</b>	<b>2,154</b>	<b>140</b>	<b>993</b>
Kentucky . . .	11,941	7,326	4,615	19.7	12.4	523	140	228
Tennessee . . .	19,927	11,435	8,492	23.4	17.3	771	157	343
Alabama . . .	14,699	9,556	5,143	23.3	12.5	595	145	274
Mississippi . . .	8,313	5,497	2,816	21.0	10.7	266	101	147
<b>West South Central . . .</b>	<b>113,495</b>	<b>67,888</b>	<b>45,607</b>	<b>25.2</b>	<b>17.0</b>	<b>4,558</b>	<b>170</b>	<b>2,218</b>
Arkansas . . .	7,416	4,782	2,634	20.0	11.0	246	103	125
Louisiana . . .	20,021	12,090	7,931	27.4	18.0	850	193	426
Oklahoma . . .	13,262	8,632	4,630	26.6	14.3	485	149	229
Texas . . .	72,796	42,384	30,412	25.2	18.1	2,978	177	1,437
<b>West . . .</b>	<b>234,405</b>	<b>137,830</b>	<b>96,575</b>	<b>27.2</b>	<b>19.1</b>	<b>14,985</b>	<b>296</b>	<b>6,644</b>
<b>Mountain . . .</b>	<b>60,676</b>	<b>37,186</b>	<b>23,490</b>	<b>27.9</b>	<b>17.6</b>	<b>3,186</b>	<b>238</b>	<b>1,493</b>
Montana . . .	2,824	1,811	1,013	22.5	12.6	123	153	62
Idaho . . .	3,383	2,434	949	24.3	9.5	148	147	75
Wyoming . . .	2,365	1,633	732	34.1	15.3	109	227	58
Colorado . . .	13,724	8,941	4,793	27.1	14.5	768	233	383
New Mexico . . .	7,734	4,438	3,296	29.4	21.9	318	211	147
Arizona . . .	18,929	10,232	8,697	29.3	24.9	1,045	300	480
Utah . . .	5,391	3,596	1,795	21.3	10.6	288	170	137
Nevada . . .	6,326	4,101	2,225	38.9	21.1	387	367	150
<b>Pacific . . .</b>	<b>173,729</b>	<b>100,644</b>	<b>73,085</b>	<b>26.9</b>	<b>19.6</b>	<b>11,799</b>	<b>316</b>	<b>5,151</b>
Washington . . .	17,917	10,081	7,836	21.7	16.9	938	202	428
Oregon . . .	10,346	6,174	4,172	22.3	15.1	588	212	284
California . . .	138,148	79,868	58,280	28.2	20.6	9,709	343	4,211
Alaska . . .	2,803	1,562	1,241	29.8	23.7	293	559	109
Hawaii . . .	4,515	2,959	1,556	26.9	14.2	273	248	72

<sup>1</sup> Based on resident population as of July 1. <sup>2</sup> Includes judicial and legal, not shown separately.

Source: U.S. Bureau of the Census, *Public Employment*, series GE No. 1, annual, and *Government Finances*, series GF, No. 5, annual.

**No. 314. Lawyers—Selected Characteristics: 1960 to 1988**[See headnote, table 315. See also *Historical Statistics, Colonial Times to 1970*, series H 1028-1062]

CHARACTERISTIC	1960	1963	1966	1970	1980	1985	1988
All lawyers <sup>1</sup>	285,933	296,069	316,656	355,242	542,205	655,191	723,189
Lawyers reporting <sup>2</sup>	252,385	268,782	289,404	324,818	(X)	(X)	(X)
Male	245,897	261,639	281,336	315,715	498,019	569,649	606,768
Female	6,488	7,143	8,068	9,103	44,185	85,542	116,421
Status in practice: <sup>3</sup>							
Government	25,621	29,314	31,280	35,803	50,490	53,035	57,742
Federal	13,045	15,113	16,284	18,710	20,132	19,989	23,042
State	4,316	6,486	7,416	9,293	30,358	33,046	34,700
City or county	8,260	7,715	7,580	7,800	(*)	(*)	(*)
Judicial <sup>4</sup>	8,180	8,748	9,712	10,349	19,160	21,677	19,071
Federal	599	707	800	878	2,611	3,003	2,551
State and county	5,301	5,712	6,823	7,548	16,549	18,674	16,520
City	2,280	2,329	2,089	1,923	(*)	(*)	(*)
Private practice	192,353	200,586	212,662	236,085	370,111	460,206	519,941
Individual	116,911	113,127	113,273	118,963	179,923	216,336	240,141
Partner	60,709	70,064	78,544	92,442	144,279	177,392	194,976
Associate <sup>5</sup>	14,733	17,395	20,845	24,680	45,908	66,478	84,824
Salaried	25,198	29,510	33,222	40,486	73,862	83,843	85,671
Private industry	22,533	26,492	29,405	33,593	54,626	63,622	66,627
Educational institutions	1,798	2,100	2,717	3,732	6,606	7,254	7,575
Other private employment	867	918	1,100	3,161	12,630	12,967	11,469
Inactive or retired <sup>6</sup>	10,887	12,024	14,881	16,812	28,582	36,430	40,762

X Not applicable. <sup>1</sup> 1960 to 1970 includes lawyers not reporting and an adjustment (subtraction) for duplications; 1980, 1985, and 1988 weighted to account for non-reporters and duplicate listings. <sup>2</sup> 1960 to 1970 included duplications; 1980, 1985, and figures are weighted to adjust for duplication of entries. <sup>3</sup> 1960 to 1970, in cases where more than one subentry was applicable, the individual was tabulated in each. In 1980 and 1985 lawyers who were in both private practice and government service are coded in private practice. <sup>4</sup> Data no longer available separately; included with category above. <sup>5</sup> Beginning 1988, "senior" judges are included in "Retired" rather than "Judicial." <sup>6</sup> Associates are lawyers designated as such by their employers.

Source: American Bar Foundation, Chicago, IL, 1960 to 1970, *The 1971 Lawyer Statistical Report*, 1971 (copyright); 1980, *The Lawyer Statistical Report: A Statistical Profile of the U.S. Legal Profession in the 1980's*, 1985 (copyright); 1985 and 1988, *Supplement to The Lawyer Statistical Report: The U.S. Legal Profession in 1988*, 1991 and similar report for 1985 (copyright).

**No. 315. Lawyers, by State: 1970 to 1988**

[Data based on 1971, 1980, and 1988 editions of *Martindale-Hubbell Law Directory*. Represents all persons who are members of the bar, including those in industries, educational institutions, etc., and those inactive or retired]

STATE	1970 <sup>1</sup>	1980 <sup>2</sup>	1988			STATE	1970 <sup>1</sup>	1980 <sup>2</sup>	1988		
			Total <sup>2</sup>	In private practice <sup>2</sup>	Population per lawyer <sup>3</sup>				Total <sup>2</sup>	In private practice <sup>2</sup>	Population per lawyer <sup>3</sup>
U.S. <sup>4</sup>	324,818	542,205	723,189	519,941	340	MO	7,230	10,731	13,463	9,495	382
AL	3,291	5,466	7,261	5,276	565	MT	978	1,617	2,161	1,606	373
AK	443	1,355	1,940	1,355	270	NE	2,481	3,722	4,473	3,022	358
AZ	2,618	5,657	8,859	6,222	394	NV	739	1,771	2,489	1,723	423
AR	1,969	3,188	3,939	2,746	608	NH	791	1,678	2,613	1,922	415
CA	31,580	64,840	93,054	70,496	304	NJ	11,126	18,400	27,308	19,647	283
CO	4,197	8,652	12,253	9,006	269	NM	1,201	2,508	3,503	2,620	430
CT	5,398	8,930	13,144	8,629	246	NY	48,312	62,745	81,698	60,651	219
DE	733	1,332	1,813	1,078	364	NC	4,367	7,459	10,238	7,324	634
DC	15,501	25,465	32,114	15,524	19	ND	728	1,101	1,286	904	519
FL	10,917	23,521	33,259	24,634	371	OH	15,349	23,949	28,290	20,269	384
GA	5,517	11,087	15,314	11,528	414	OK	4,637	7,034	8,853	6,443	366
HI	857	2,027	3,130	2,310	351	OR	2,996	5,803	7,743	5,582	357
ID	803	1,706	2,242	1,551	447	PA	13,557	22,872	30,319	23,061	396
IL	20,404	32,421	40,743	29,044	285	RI	1,284	2,070	2,654	2,095	374
IN	5,447	8,443	10,091	7,265	551	SC	2,236	4,195	5,482	4,177	633
IA	3,820	5,550	6,159	4,266	460	SD	812	1,125	1,385	992	515
KS	3,126	4,759	5,978	4,113	417	TN	4,770	7,802	9,515	6,771	514
KY	3,625	6,200	7,517	5,447	496	TX	17,217	30,151	43,455	32,580	388
LA	5,089	8,752	11,515	9,244	383	UT	1,308	2,480	3,640	2,720	464
ME	1,068	2,062	2,922	2,105	412	VT	581	1,095	1,537	1,099	362
MD	6,619	10,648	14,608	9,689	316	VA	6,401	10,895	14,916	9,846	403
MA	11,316	18,537	24,218	18,506	243	WA	4,466	8,468	12,925	9,555	360
MI	10,569	17,443	21,644	15,630	427	WV	1,719	2,566	3,016	2,238	622
MN	5,481	9,433	12,723	8,714	339	WI	6,177	9,117	10,829	7,681	448
MS	2,517	3,850	4,384	3,316	598	WY	449	927	1,168	793	410

<sup>1</sup> Represents lawyers reporting only. Includes an estimated adjustment (subtraction) to account for duplications. Based on reporting from approximately 90 percent of all lawyers. <sup>2</sup> Weighted to account for non-reporters and duplicate listings.

<sup>3</sup> Based on Bureau of the Census estimated resident population, including Armed Forces station in area as of July 1, 1988.

<sup>4</sup> Total for U.S. counts each lawyer only once regardless of the number of offices maintained by the lawyer. If, however, a lawyer maintains an office in more than one State, the lawyer is included in the total shown for each State in which the lawyer maintains an office.

Source: American Bar Foundation, Chicago, IL, *The 1971 Lawyer Statistical Report*, 1971 (copyright); 1980, *The Lawyer Statistical Report: A Statistical Profile of the U.S. Legal Profession in the 1980s*, 1985 (copyright); and 1985, *Supplement to The Lawyer Statistical Report: The U.S. Legal Profession in 1985*, 1986 (copyright).

**No. 316. U.S. Supreme Court—Cases Filed and Disposition: 1970 to 1990**

[Statutory term of court begins first Monday in October. See *Historical Statistics, Colonial Times to 1970*, series H 1063-1078, for related but not comparable data]

ACTION	1970	1975	1980	1984	1985	1986	1987	1988	1989	1990
<b>Total cases on docket</b>	<b>4,212</b>	<b>4,761</b>	<b>5,144</b>	<b>5,006</b>	<b>5,158</b>	<b>5,123</b>	<b>5,268</b>	<b>5,657</b>	<b>5,746</b>	<b>6,316</b>
Appellate cases on docket	1,903	2,352	2,749	2,575	2,571	2,547	2,577	2,587	2,416	2,351
From prior term	325	431	527	539	400	476	440	446	384	365
Docketed during present term	1,578	1,921	2,222	2,036	2,171	2,071	2,137	2,141	2,032	1,986
Cases acted upon <sup>2</sup>	1,613	1,900	2,324	2,253	1,815	2,189	2,224	2,271	2,096	2,042
Granted review	214	244	167	167	166	152	157	130	103	114
Denied, dismissed, or withdrawn	1,285	1,538	1,999	1,953	1,863	1,876	1,919	1,973	1,881	1,802
Summarily decided	114	118	90	59	78	71	66	75	44	81
Cases not acted upon	290	452	425	322	386	358	353	316	320	309
Pauper cases on docket	2,289	2,395	2,371	2,416	2,577	2,564	2,675	3,056	3,316	3,951
Cases acted upon <sup>2</sup>	1,802	1,997	2,027	2,087	2,189	2,250	2,283	2,638	2,891	3,436
Granted review	41	28	17	18	20	15	23	17	19	27
Denied, dismissed, or withdrawn	1,683	1,903	1,968	2,050	2,136	2,186	2,210	2,577	2,824	3,369
Summarily decided	78	66	32	14	24	38	21	32	35	28
Cases not acted upon	487	398	344	329	388	314	412	418	425	515
Original cases on docket	20	14	24	15	10	12	16	14	14	14
Cases disposed of during term	7	7	7	8	2	1	5	2	2	3
<b>Total cases available for argument</b>	<b>267</b>	<b>280</b>	<b>264</b>	<b>271</b>	<b>276</b>	<b>270</b>	<b>280</b>	<b>254</b>	<b>204</b>	<b>201</b>
Cases disposed of	160	181	162	184	175	179	175	173	147	131
Cases argued	151	179	154	175	171	175	167	170	146	125
Cases dismissed or remanded without argument	9	2	8	9	4	4	8	3	1	6
Cases remaining	107	99	102	87	101	91	105	81	57	70
Cases decided by signed opinion	126	160	144	159	161	164	151	156	143	121
Cases decided by per curiam opinion	22	16	8	11	10	10	9	12	3	4
Number of signed opinions	109	138	123	139	146	145	139	133	129	112

<sup>1</sup> Represents zero. <sup>2</sup> Beginning 1980, includes cases granted review and carried over to next term, not shown separately.

Source: Office of the Clerk, Supreme Court of the United States, unpublished data.

**No. 317. U.S. Courts of Appeals—Cases Commenced and Disposition: 1970 to 1990**

[For years ending June 30. See also *Historical Statistics, Colonial Times to 1970*, series H 1079-1096]

ITEM	1970	1975	1980	1984	1985	1986	1987	1988	1989	1990
<b>Cases commenced</b>	<b>11,662</b>	<b>16,558</b>	<b>23,200</b>	<b>31,490</b>	<b>33,360</b>	<b>34,292</b>	<b>35,176</b>	<b>37,524</b>	<b>39,734</b>	<b>40,898</b>
Criminal	2,660	4,187	4,405	4,881	4,989	5,134	5,260	6,012	8,020	9,493
U.S. civil	2,167	2,981	4,654	6,259	6,744	6,415	6,292	6,210	6,349	6,626
Private civil	4,834	6,511	10,200	15,466	16,827	17,876	19,246	20,464	20,626	20,490
Administrative appeals	1,522	2,290	2,950	3,045	3,179	3,187	2,723	3,043	2,985	2,578
<b>Cases terminated</b>	<b>10,699</b>	<b>16,000</b>	<b>20,887</b>	<b>31,185</b>	<b>31,387</b>	<b>33,774</b>	<b>34,444</b>	<b>35,888</b>	<b>37,372</b>	<b>38,520</b>
Criminal	2,581	4,005	3,993	4,876	4,892	5,134	5,039	5,284	6,297	7,509
U.S. civil	1,912	3,094	4,346	6,074	6,363	6,535	6,227	6,386	6,127	6,379
Private civil	4,367	6,252	8,942	15,309	15,743	17,276	18,328	19,798	20,313	20,369
Administrative appeals	1,407	1,909	2,643	3,212	2,760	3,235	3,237	2,625	2,914	2,582
<b>Cases disposed of</b>	<b>6,139</b>	<b>9,077</b>	<b>10,607</b>	<b>14,327</b>	<b>16,369</b>	<b>18,199</b>	<b>18,502</b>	<b>19,178</b>	<b>19,322</b>	<b>21,008</b>
Affirmed or granted	4,626	6,763	8,017	10,961	12,286	13,398	13,681	14,953	15,240	16,629
Reversed or denied	1,280	1,632	1,845	2,382	2,770	3,249	2,924	2,664	2,617	2,565
Other	233	682	745	984	1,313	1,552	1,897	1,561	1,465	1,812
Median months <sup>3</sup>	8.2	7.4	8.9	8.3	10.3	10.3	10.3	10.1	10.3	10.1

<sup>1</sup> Includes original proceedings and bankruptcy appeals not shown separately. <sup>2</sup> Terminated on the merits after hearing or submission. Beginning 1975, data not comparable with 1970 due to changes in criteria. <sup>3</sup> Prior to 1985, the figure is from filing of complete record to final disposition; beginning 1985, figure is from filing notice of appeal to final disposition. For definition of median, see Guide to Tabular Presentation.

**No. 318. U.S. District Courts—Civil and Criminal Cases: 1970 to 1990**

[In thousands, except percent. For years ending June 30. See also *Historical Statistics, Colonial Times to 1970*, series H 1097-1111]

ITEM	1970	1975	1980	1984	1985	1986	1987	1988	1989	1990
<b>Civil cases: Commenced</b>	<b>87.3</b>	<b>117.3</b>	<b>168.8</b>	<b>261.5</b>	<b>273.7</b>	<b>254.8</b>	<b>239.0</b>	<b>239.6</b>	<b>233.5</b>	<b>217.9</b>
Cases terminated	79.5	103.8	155.0	241.8	268.6	265.8	237.5	238.1	234.6	213.4
No court action	31.1	39.2	68.7	113.9	129.4	122.2	97.8	79.6	64.3	51.6
Court action, total	48.4	64.6	86.2	127.9	139.2	143.6	139.7	158.6	170.4	161.8
Before pretrial	29.4	40.3	53.8	86.1	95.5	101.8	95.3	114.7	129.7	127
Pretrial	11.0	15.6	22.4	29.6	31.1	29.9	32.5	32.2	29.5	25.5
Trials	8.0	8.7	10.1	12.1	12.6	11.7	11.9	11.6	11.2	9.2
Percent reaching trial	10.0	8.4	6.5	5.0	4.7	4.4	5.0	4.9	4.8	4.3
<b>Criminal cases: Commenced</b>	<b>38.1</b>	<b>41.1</b>	<b>28.0</b>	<b>35.9</b>	<b>38.5</b>	<b>40.4</b>	<b>42.2</b>	<b>43.5</b>	<b>44.9</b>	<b>48.0</b>
Defendants disposed of <sup>3</sup>	36.4	49.2	36.6	44.5	47.4	50.0	54.2	52.8	54.6	56.5
Not convicted	8.2	11.8	8.0	8.4	8.8	9.3	10.2	9.9	10.1	9.8
Convicted	28.2	37.4	28.6	36.1	38.5	40.7	43.9	42.9	44.5	46.7
Imprisonment	12.4	17.3	13.2	17.7	18.7	20.6	23.3	22.5	24.9	27.8
Probation	11.4	17.9	11.1	13.9	14.4	15.2	16.0	16.1	15.0	14.2
Fine and other	4.4	2.2	4.4	4.5	5.4	4.9	4.6	4.4	4.7	4.7

<sup>1</sup> Excludes land condemnation cases. <sup>2</sup> Excludes transfers. <sup>3</sup> Beginning 1975, includes DC; beginning 1980, includes Guam, Virgin Islands, and Northern Mariana Islands; 1980 through 1982 includes Canal Zone.

Source of tables 317 and 318: Administrative Office of the U.S. Courts, *Annual Report of the Director*.

**No. 319. U.S. District Courts—Civil Cases Commenced and Pending: 1980 to 1990**

[For years ending June 30]

TYPE OF CASE	CASES COMMENCED				CASES PENDING			
	1980	1985	1989	1990	1980	1985	1989	1990
Cases total . . . . .	168,789	273,513	233,529	217,879	186,113	254,114	242,433	242,346
Contract actions <sup>1</sup> . . . . .	49,052	102,642	61,975	46,039	40,521	65,983	49,000	43,490
Recovery of overpayments <sup>2</sup> . . . . .	15,588	58,160	16,467	10,878	6,696	22,576	6,419	5,177
Real property actions . . . . .	11,067	10,118	11,217	9,505	15,436	9,324	8,764	8,853
Tort actions . . . . .	32,539	41,593	42,090	43,759	41,062	57,243	68,391	72,933
Personal injury . . . . .	27,517	37,560	38,361	40,593	34,994	52,608	64,105	69,033
Personal injury product liability . . . . .	(NA)	12,507	13,408	18,679	9,118	22,111	34,837	41,933
Asbestos . . . . .	(NA)	4,239	8,230	13,687	(NA)	11,194	25,419	33,182
Other personal injury . . . . .	27,517	25,053	24,953	21,914	25,876	30,497	29,268	25,148
Personal property damage . . . . .	5,022	4,033	3,729	3,166	6,068	4,625	4,286	3,900
Actions under statutes . . . . .	75,574	119,160	118,131	118,465	88,534	121,295	115,215	113,254
Civil rights <sup>1</sup> . . . . .	12,944	19,553	19,378	18,793	18,819	26,148	24,174	24,059
Employment . . . . .	5,017	8,082	9,000	8,413	8,893	12,187	11,815	8,459
Bankruptcy suits . . . . .	1,688	6,331	5,228	5,056	1,443	4,866	3,777	4,062
Commerce (ICC rates, etc.) . . . . .	1,105	912	1,339	2,401	6,194	747	949	1,480
Environmental matters . . . . .	557	652	938	958	751	912	1,395	1,558
Prisoner petitions . . . . .	23,287	33,468	41,481	42,630	18,008	29,982	33,854	36,325
Forfeiture and penalty . . . . .	3,019	4,908	4,920	6,193	2,282	3,658	4,175	4,946
Labor laws . . . . .	8,640	11,749	13,328	13,841	9,045	11,002	11,840	12,282
Protected property rights <sup>3</sup> . . . . .	3,783	5,412	5,977	5,700	4,014	5,151	5,595	5,497
Securities commodities and exchanges . . . . .	1,694	3,266	2,608	2,629	3,255	5,082	4,561	4,636
Social Security laws . . . . .	9,043	19,771	10,206	7,439	13,154	20,302	10,779	8,068
Tax suits . . . . .	3,262	2,966	2,402	2,604	3,075	2,972	2,868	2,850
Freedom of information . . . . .	627	565	307	407	617	555	385	451

NA Not available. <sup>1</sup> Includes other types not shown separately. <sup>2</sup> Includes enforcement of judgments in student loan cases, and overpayments of veterans benefits. <sup>3</sup> Includes copyright, patent, and trademark rights.

**No. 320. U.S. District Courts—Trials: 1970 to 1990**

[For years ending June 30. A trial is defined as a contested proceeding (other than a hearing on a motion) before either court or jury in which evidence is introduced and final judgment sought. See also *Historical Statistics, Colonial Times to 1970*, series H 1112-1118.]

TYPE OF TRIAL	1970	1975	1980	1984	1985	1986	1987	1988	1989	1990
Total . . . . .	16,032	19,236	19,825	20,830	20,729	20,242	19,985	19,901	20,102	20,433
Civil trials . . . . .	9,449	11,603	13,191	14,374	14,254	13,276	13,162	12,536	12,085	11,502
Nonjury . . . . .	6,078	7,903	9,254	9,037	8,817	8,054	7,597	7,088	6,878	6,737
Jury . . . . .	3,371	3,700	3,937	5,337	5,437	5,222	5,565	5,448	5,207	4,765
Criminal trials . . . . .	6,583	7,633	6,634	6,456	6,475	6,966	6,823	7,365	8,017	8,931
Nonjury . . . . .	2,357	2,726	3,216	2,823	2,778	3,066	2,912	3,215	3,553	3,870
Jury . . . . .	4,226	4,907	3,418	3,633	3,697	3,900	3,911	4,150	4,464	5,061

**No. 321. U.S. District Courts—Criminal Cases Commenced and Defendants Disposed of, by Nature of Offense: 1989 and 1990**

[For years ending June 30]

NATURE OF OFFENSE	1989		Cases commenced 1990	DISPOSITION OF DEFENDANTS, 1990								
	Cases commenced 1989	De-fend-ants dis-posed of		Not convicted		Convicted <sup>2</sup>		Sentenced				
				Total	Ac-quitted	Total	Guilty plea <sup>3</sup>	By court or jury	Im-prison-ment	Prob-ation	Fine and other	
Total . . . . .	44,891	54,643	47,982	56,519	9,794	1,601	46,725	39,734	6,273	27,796	14,196	4,733
General offenses:												
Homicide . . . . .	174	166	176	162	33	8	129	90	37	106	11	12
Robbery . . . . .	1,309	1,206	1,379	1,340	111	26	1,229	1,080	165	1,207	21	1
Assault . . . . .	567	579	562	559	173	42	386	279	105	254	106	26
Burglary . . . . .	107	103	104	122	9	2	113	101	12	99	12	2
Larceny-theft . . . . .	3,474	4,065	3,391	3,574	675	70	2,899	2,640	220	1,088	1,571	240
Embezzlement and fraud . . . . .	8,958	10,982	9,579	10,774	1,202	183	9,572	8,759	756	4,134	5,113	325
Auto theft . . . . .	233	462	243	319	47	10	272	243	28	198	198	2
Forgery <sup>4</sup> . . . . .	1,505	1,733	1,514	1,774	217	18	1,557	1,444	105	805	729	23
Sex offenses . . . . .	324	348	433	333	62	16	271	223	47	185	83	3
DAPCA <sup>5</sup> . . . . .	11,858	16,834	12,592	19,271	3,083	473	16,188	13,036	3,121	13,838	2,135	215
Misc. general offenses . . . . .	16,385	18,165	13,265	12,504	3,323	627	9,181	7,437	1,243	3,212	2,514	3,455

<sup>1</sup> Excludes transfers. <sup>2</sup> Convicted and sentenced. <sup>3</sup> Includes nolo contendere. <sup>4</sup> Includes counterfeiting. <sup>5</sup> All marijuana, narcotics, and controlled substances prosecutions under the Drug Abuse, Prevention and Control Act.

Source of tables 324-326: Administrative Office of the U.S. Courts, *Annual Report of the Director*.

**No. 322. U.S. District Courts—Offenders Convicted and Sentenced to Prison,  
1980 and 1990, and Length of Sentence, 1990**

MOST SERIOUS OFFENSE OF CONVICTION	OFFENDERS CONVICTED		CONVICTED OFFENDERS SENTENCED TO PRISON		Length of sentence, 1990 (mo.)	MOST SERIOUS OFFENSE OF CONVICTION	OFFENDERS CONVICTED		CONVICTED OFFENDERS SENTENCED TO PRISON		Length of sentence, 1990 (mo.)
	1980	1990, prel.	1980	1990, prel.			1980	1990, prel.	1980	1990, prel.	
<b>Total</b> <sup>1</sup> . . . . .	<b>29,943</b>	<b>48,730</b>	<b>13,766</b>	<b>29,430</b>	<b>57.4</b>	Possession . . .	502	1,446	115	457	13.1
Violent offenses . . . . .	2,134	2,281	1,770	1,999	89.8	Trafficking and manufacturing . . .	4,633	14,631	3,560	13,297	83.5
Property offenses . . . . .	10,780	13,396	4,630	5,775	22.3	Public-order offenses . . . . .	11,893	14,891	3,690	6,427	27.7
Fraudulent offenses <sup>2</sup> . . . . .	6,733	9,979	2,825	4,391	22.3	Regulatory offenses . . . . .	1,828	1,977	484	757	26.3
Embezzlement . . . . .	1,605	1,834	460	515	17.7	Other offenses . . . . .	10,065	12,914	3,206	5,670	27.8
Fraud <sup>3</sup> . . . . .	3,307	6,749	1,384	3,180	23.9	Weapons . . . . .	980	2,332	578	1,802	47.5
Forgery . . . . .	1,180	895	610	387	17.1	Immigration . . . . .	2,200	2,622	1,017	1,903	10.5
Other offenses <sup>2</sup> . . . . .	4,047	3,417	1,805	1,384	22.5	Tax law violations <sup>4</sup> . . . . .	1,407	1,147	487	498	25.1
Larceny . . . . .	3,026	2,676	1,180	914	18.7						
Drug offenses <sup>2</sup> . . . . .	5,135	16,077	3,675	13,754	81.2						

<sup>1</sup> For 1990, includes 2,085 offenders convicted and 1,475 convicted offenders sentenced for whom offense category could not be determined. <sup>2</sup> Includes offenses not shown separately. <sup>3</sup> Excludes tax fraud. <sup>4</sup> Includes tax fraud.

Source: U.S. Bureau of Justice Statistics, *Federal Criminal Case Processing, 1980-89*, October 1991.

**No. 323. U.S. District Courts—Defendants Charged With Violations of Drug Abuse Prevention and Control Act: 1980 to 1990**

[For years ending June 30]

ITEM	MARIJUANA				DRUGS				CONTROLLED SUBSTANCES (prescribed drugs)			
	1980	1985	1989	1990	1980	1985	1989	1990	1980	1985	1989	1990
Defendants disposed of . . . . .	1,690	3,984	4,547	5,139	3,290	5,595	10,717	12,649	1,363	1,598	1,570	1,483
Not convicted . . . . .	569	854	888	1,011	749	868	1,548	1,850	276	246	249	222
Dismissed . . . . .	483	709	798	915	620	692	1,280	1,506	234	200	221	189
Convicted . . . . .	1,121	3,130	3,649	4,128	2,541	4,727	9,169	10,799	1,087	1,352	1,321	1,261
By guilty plea and nolo contendere . . . . .	772	2,523	3,227	3,624	1,830	3,839	7,356	8,423	848	1,138	1,103	1,020
Imprisonment, total <sup>2</sup> . . . . .	754	2,036	2,448	3,004	1,945	3,701	8,151	9,804	780	1,049	1,027	1,030
Regular sentence . . . . .	555	1,512	2,249	2,931	1,410	2,885	7,649	9,551	582	810	940	980
Avg. sentence (mo.) . . . . .	47.2	53.2	52.7	48.9	60.8	69.6	77.8	86.2	46.5	69.3	92.0	79.3
Other sentences to prison <sup>2</sup> . . . . .	199	524	199	73	535	816	502	253	198	239	87	50
Probation, total . . . . .	341	938	1,145	1,054	588	960	942	874	303	287	271	207
Avg. sentence (mo.) . . . . .	37.9	31.2	25.1	25.1	39.9	39.7	41.8	40.0	37.2	40.5	33.6	32.3
Fine only . . . . .	20	83	39	39	4	3	14	17	3	6	8	8
Other <sup>3</sup> . . . . .	6	73	17	31	4	63	62	104	1	10	15	16

<sup>1</sup> Includes defendants committed under 28 USC 2902, Narcotic Addict Rehabilitation Act of 1966. <sup>2</sup> Split or mixed sentences of prison and probation in the same case as well as indeterminate and Youth Corrections Act sentences are included under total imprisonment and other sentences to prison. <sup>3</sup> Includes deportation, suspended sentences, imprisonment for four days or less, or for time already served, remitted and suspended fines and life sentences.

Source: Administrative Office of the U.S. Courts, *Annual Report of the Director*.

**No. 324. Federal Prosecutions of Public Corruption: 1975 to 1990**

[As of Dec. 31. Prosecution of persons who have corrupted public office in violation of Federal Criminal Statutes]

PROSECUTION STATUS	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
<b>Total:</b> <sup>1</sup> Indicted . . . . .	255	666	721	878	729	1,073	936	1,182	1,193	1,340	1,274	1,349	1,176
Convicted . . . . .	179	536	552	730	671	972	934	997	1,026	1,081	1,067	1,149	1,084
Awaiting trial . . . . .	27	178	213	231	186	222	269	256	246	368	288	375	300
<b>Federal officials:</b> Indicted . . . . .	53	114	123	198	158	2,460	408	563	596	651	629	695	615
Convicted . . . . .	43	102	131	159	147	2,424	429	470	523	545	529	610	583
Awaiting trial . . . . .	5	21	16	23	38	58	77	90	83	118	86	126	103
<b>State officials:</b> Indicted . . . . .	36	56	72	87	49	81	58	79	88	102	66	71	96
Convicted . . . . .	18	32	51	66	43	65	52	66	71	76	69	54	79
Awaiting trial . . . . .	5	29	28	36	18	26	21	20	24	26	14	18	28
<b>Local officials:</b> Indicted . . . . .	139	211	247	244	257	270	203	248	232	246	276	269	257
Convicted . . . . .	94	151	168	211	232	226	196	221	207	204	229	201	225
Awaiting trial . . . . .	15	63	82	102	58	61	74	49	55	89	79	122	98

<sup>1</sup> Includes individuals who are neither public officials nor employees but who were involved with public officials or employees in violating the law, not shown separately. <sup>2</sup> Increases in the number indicted and convicted between 1982 and 1983 resulted from a greater focus on federal corruption nationwide and more consistent reporting of cases involving lower-level employees.

Source: U.S. Department of Justice, *Federal Prosecutions of Corrupt Public Officials, 1970-1980* and *Report to Congress on the Activities and Operations of the Public Integrity Section*, annual.

**No. 325. Delinquency Cases Disposed, by Juvenile Courts: 1975 to 1989**

YEAR	CASES DISPOSED		Case rate <sup>1</sup>	YEAR	CASES DISPOSED		Case rate <sup>1</sup>
	Total (1,000)	Per- cent change			Total (1,000)	Per- cent change	
1975 . . . . .	1,050	(NA)	33.8	1983 . . . . .	1,030	-4.0	38.3
1976 . . . . .	1,077	2.6	35.1	1984 . . . . .	1,034	0.4	38.7
1977 . . . . .	1,076	-0.1	35.6	1985 . . . . .	1,112	7.5	42.2
1978 . . . . .	1,023	-4.9	34.6	1986 . . . . .	1,150	3.4	44.2
1979 . . . . .	1,048	2.4	36.2	1987 . . . . .	1,145	-0.4	44.5
1980 . . . . .	1,093	4.3	38.3	1988 . . . . .	1,151	0.5	45.2
1981 . . . . .	1,100	0.6	39.1	1989 . . . . .	1,189	3.3	47.0
1982 . . . . .	1,073	-2.5	39.1				

NA Not available. <sup>1</sup> Number of cases disposed per 1,000 youth (ages 10 to 17) at risk.Source: National Center for Juvenile Justice, Pittsburgh, PA, *Juvenile Court Statistics*, annual.**No. 326. Delinquency Cases Disposed by Juvenile Courts, by Reason for Referral, 1982 to 1989**

[In thousands. A delinquency offense is an act committed by a juvenile for which an adult could be prosecuted in a criminal court. Disposition of a case involves taking a definite action such as transferring the case to criminal court, dismissing the case, placing the youth on probation, placing the youth in a facility for delinquents, or such actions as fines, restitution, and community service]

REASON FOR REFERRAL	1982	1983	1984	1985	1986	1987	1988	1989
All delinquency offense . . . . .	1,073	1,030	1,034	1,112	1,150	1,145	1,151	1,189
Violent offenses . . . . .	57	55	61	67	71	65	68	77
Criminal homicide . . . . .	2	1	1	1	2	2	2	2
Forcible rape . . . . .	3	3	3	4	5	4	4	4
Robbery . . . . .	26	24	22	26	26	22	21	23
Aggravated assault . . . . .	27	27	35	36	39	38	41	48
Property offenses . . . . .	475	451	442	489	498	500	502	514
Burglary . . . . .	158	145	129	139	141	134	131	131
Larceny . . . . .	278	270	276	307	308	313	310	309
Motor vehicle theft . . . . .	34	31	31	36	42	48	55	67
Arson . . . . .	5	5	6	7	6	6	7	7
Delinquency offenses . . . . .	541	524	530	555	582	580	581	599
Simple assault . . . . .	86	81	73	92	98	100	102	108
Vandalism . . . . .	64	64	69	84	85	84	82	83
Drug law violations . . . . .	62	57	65	76	73	73	80	78
Obstruction of justice . . . . .	47	55	63	68	78	79	78	82
Other <sup>1</sup> . . . . .	282	268	260	235	250	245	239	248

<sup>1</sup> Includes such offenses as stolen property offenses, trespassing, weapons offenses, other sex offenses, liquor law violations, disorderly conduct, and miscellaneous offenses.

Source: U.S. National Center for Juvenile Justice, Pittsburgh, PA, *Juvenile Court Statistics*, annual.**No. 327. Juveniles Held in Public and Private Custody—Residents and Facilities: 1985 to 1989**

[Public and private facilities for juveniles includes detention centers, shelters, reception and diagnostic centers, training schools, halfway houses, group homes, ranches, forestry camps, and farms]

CHARACTERISTIC	Unit	PUBLIC CUSTODY			PRIVATE CUSTODY		
		1985	1987	1989	1985	1987	1989
Number of residents <sup>1,2</sup> . . . . .	Number .	51,402	56,097	58,303	34,112	38,184	37,845
Juvenile <sup>3</sup> . . . . .	Number .	49,322	53,503	56,123	34,080	38,143	37,822
Average age <sup>4</sup> . . . . .	Years .	15.4	15.8	16.0	14.9	14.8	14.9
Male . . . . .	Number .	42,549	46,272	49,443	23,844	26,339	26,602
Female . . . . .	Number .	6,773	7,231	6,680	10,236	11,804	11,220
White . . . . .	Number .	29,969	31,103	30,705	23,999	26,839	25,696
Black . . . . .	Number .	18,269	21,057	24,003	9,204	10,357	11,076
Number of admissions (all residents) <sup>5,6</sup> . . . . .	Number .	527,759	597,624	624,597	101,007	126,102	141,907
Number of departures (all residents) <sup>5,6</sup> . . . . .	Number .	520,903	592,229	614,430	96,006	120,071	135,319
Average daily residents <sup>6</sup> . . . . .	Number .	49,480	54,036	56,595	33,121	38,172	37,944
Facilities, total <sup>7</sup> . . . . .	Number .	1,040	1,107	1,100	1,996	2,195	2,167
Occupancy less than 70 percent . . . . .	Percent .	35	28	24	20	18	16
70 to 100 percent . . . . .	Percent .	55	57	57	79	79	82
More than 100 percent . . . . .	Percent .	10	15	18	1	3	2
Personnel, total <sup>2,6</sup> . . . . .	Number .	(NA)	62,249	58,775	(NA)	49,144	49,334
Operating costs <sup>5</sup> . . . . .	Mil. dol. .	1,247.9	1,458.7	1,674.0	805.5	1,060.0	1,186.8
Per resident operating cost <sup>8</sup> . . . . .	\$1,000 .	25.2	27.0	29.6	24.3	27.8	31.3

NA Not available. <sup>1</sup> Includes adults. <sup>2</sup> Data for February 1, 1985, February 2, 1987, and February 15, 1989.

<sup>3</sup> Includes races not reported and races not shown. <sup>4</sup> Based on juvenile residents only. <sup>5</sup> Data are for calendar years 1984, 1986, and 1988. <sup>6</sup> Juvenile and adult. <sup>7</sup> Occupancy is calculated on the average daily resident population. <sup>8</sup> 1987 personnel includes full, part-time, and volunteer and 1989 includes full and part-time only. <sup>9</sup> Based on average daily residents.

Source: 1985, U.S. Bureau of Justice Statistics, *Census of Public and Private Juvenile Detention, Correctional, and Shelter Facilities, 1975-85*; thereafter, U.S. Office of Juvenile Justice and Delinquency Prevention, 1987 and 1989 *Census of Public and Private Juvenile Custody Facilities*, and 1987 *Children in Custody and Juvenile Taken Into Custody: fiscal Year 1990 Report*.

**No. 328. Jail Inmates, by Race and Detention Status: 1978 to 1990**

[Excludes Federal and State prisons or other correctional institutions; institutions exclusively for juveniles; State-operated jails in Alaska, Connecticut, Delaware, Hawaii, Rhode Island, and Vermont; and other facilities which retain persons for less than 48 hours. As of June 30. For 1978, 1983, and 1988, data based on National Jail Census; for other years, based on sample survey and subject to sampling variability]

CHARACTERISTIC	1978	1983	1984	1985	1986	1987	1988	1989	1990
Total inmates <sup>1</sup>	158,394	223,552	234,500	256,615	274,444	295,873	343,569	395,553	405,320
Percent of rated capacity	65	85	90	94	96	98	101	108	104
Percent of operational capacity	64	81	(NA)						
Male	148,839	207,783	216,275	235,909	251,235	270,172	313,158	356,050	368,002
Female	9,555	15,769	16,743	19,077	21,501	23,920	30,411	37,253	37,318
White	89,418	130,118	138,355	151,403	159,178	168,647	166,302	201,732	186,989
Black	65,104	87,508	93,800	102,646	112,522	124,267	141,979	185,910	174,335
Other races	3,872	5,926	2,345	2,566	2,744	2,959	3,932	7,911	5,321
Hispanic <sup>2</sup>	16,349	31,297	30,485	35,926	38,422	41,422	51,455	55,377	57,449
Non-Hispanic	142,045	192,254	204,015	220,689	236,022	254,451	292,114	340,176	347,871
Adult <sup>3</sup>	156,783	221,815	233,018	254,986	272,736	294,092	341,893	393,303	403,019
Awaiting arraignment or trial	77,453	113,984	116,331	127,059	142,112	150,101	175,669	204,291	207,358
Convicted	75,438	107,680	113,491	123,409	127,067	139,394	166,224	189,012	195,661
Juvenile <sup>4</sup>	1,611	1,736	1,482	1,629	1,708	1,781	1,676	2,250	2,301

NA Not available. <sup>1</sup> For 1984 to 1987 and 1989, includes juveniles not shown separately by sex, and for 1988 and 1990 includes 31,356 and 38,671 persons, respectively, of unknown race not shown separately. <sup>2</sup> Hispanic persons may be of any race. <sup>3</sup> Includes inmates not classified by conviction status. <sup>4</sup> Juveniles are persons whose age makes them initially subject to juvenile court authority although they are sometimes tried as adults in criminal court.

Source: U.S. Bureau of Justice Statistics, *Profile of Jail Inmates, 1978 and 1989; Jail Inmates*, annual; and *1988 Census of Local Jails*.

**No. 329. Federal and State Prisoners: 1960 to 1990**

[Based on Bureau of the Census estimated resident population, as of July 1. Prior to 1970, excludes State institutions in Alaska. Beginning 1980, includes all persons under jurisdiction of Federal and State authorities rather than those in the custody of such authorities. Represents inmates sentenced to maximum term of more than a year. See also *Historical Statistics, Colonial Times to 1970*, series H 1135-1140]

YEAR	PRESENT AT END OF YEAR						RECEIVED FROM COURTS					
	All institutions		Federal		State		All institutions		Federal		State	
	Number	Rate <sup>1</sup>	Number	Rate <sup>1</sup>	Number	Rate <sup>1</sup>	Number	Rate <sup>1</sup>	Number	Rate <sup>1</sup>	Number	Rate <sup>1</sup>
1960	212,953	118.6	23,218	12.9	189,735	105.7	88,575	49.3	13,723	7.6	74,852	41.7
1970	196,429	96.7	20,038	9.8	176,391	86.8	79,351	39.1	12,047	5.9	67,304	33.1
1975	240,593	24,131	11.4	216,462	102.0	129,573	61.0	16,770	7.9	112,803	53.1	
1980	315,974	139.2	20,611	9.1	259,363	130.1	142,122	62.7	10,907	4.8	131,215	57.9
1982	395,516	170.6	23,652	10.2	371,864	160.4	177,109	76.1	12,461	5.4	164,648	70.7
1983	419,346	179.0	26,331	11.2	393,015	167.8	187,408	80.1	14,119	6.0	173,289	74.1
1984	443,398	187.5	27,602	12.0	415,796	175.8	180,418	76.0	13,491	5.7	166,927	70.3
1985	480,568	216.5	32,695	13.6	447,873	187.6	198,499	82.7	15,368	6.4	183,131	76.3
1986	522,084	230.4	36,531	15.0	485,553	201.4	219,382	91.0	16,067	7.0	203,315	84.0
1987	560,812	229.0	39,523	16.0	521,289	214.2	241,887	99.0	16,260	7.0	225,627	92.0
1988	603,732	244.0	42,738	17.0	560,994	227.0	261,242	106.0	15,932	6.4	245,310	99.3
1989	680,907	274.3	47,168	19.0	633,739	255.3	316,215	127.4	18,388	7.4	297,827	120.0
1990	738,894	294.5	50,810	20.3	688,084	274.3	(NA)	(NA)	(NA)	(NA)	323,069	128.8

NA Not available. <sup>1</sup> Rate per 100,000 estimated population.

Source: U.S. Bureau of Justice Statistics, *Prisoners in State and Federal Institutions on December 31*, annual, and *Correctional Populations in the United States*, annual.

**No. 330. State Prison Inmates—Selected Characteristics: 1979 and 1986**

[Based on a sample survey of about 13,711 inmates in 1986 and 11,397 inmates in 1979; subject to sampling variability]

CHARACTERISTIC	NUMBER		PERCENT OF PRISON INMATES		CHARACTERISTIC	NUMBER		PERCENT OF PRISON INMATES	
	1979	1986	1979	1986		1979	1986	1979	1986
Total <sup>1</sup>	274,564	450,416	100.0	100.0	Never married	142,414	241,707	51.9	53.7
Under 18 years old	2,220	2,057	0.8	0.5	Married	61,420	91,492	22.4	20.3
18 to 24 years old	97,860	120,384	35.6	26.7	Widowed	6,248	8,343	2.3	1.9
25 to 34 years old	116,284	205,817	42.4	45.7	Divorced	46,314	81,263	16.9	18.1
35 to 44 years old	37,926	87,502	13.8	19.4	Separated	18,168	26,985	6.6	6.0
45 to 54 years old	13,987	23,524	5.1	5.2	Years of school:				
55 to 64 years old	4,786	8,267	1.7	1.8	Less than 12 years	144,771	276,309	52.7	61.6
65 years old and over	1,499	2,808	0.5	0.6	12 years or more	129,792	172,385	47.3	38.4
Male	263,484	430,604	96.0	95.6	Pre-arrest employment status:				
Female	11,080	19,812	4.0	4.4	Employed	192,800	309,364	70.5	69.0
White	136,295	223,648	49.6	49.7	Not employed	80,663	138,773	29.5	31.0
Black	131,329	211,021	47.8	46.9	Looking for work	38,230	80,508	14.0	18.0
Other races	6,839	15,412	2.6	3.4	Not looking for work	42,433	58,265	15.5	13.0

<sup>1</sup> For 1986, includes data not reported for all characteristics except sex.

Source: U.S. Bureau of Justice Statistics, *Profile of State Prison Inmates, 1986*, January 1988.

**No. 331. Prisoners Under Jurisdiction of State and Federal Correctional Authorities—Summary, by State: 1980 to 1990**

[For years ending December 31]

SEX, REGION, DIVISION, AND STATE	1980	1985	1988	1989	1990	SENTENCED TO MORE THAN 1 YEAR			1990	
						1985	1988	1989	Total	Rate per 100,000 popula- tion <sup>†</sup>
									1990	
<b>United States</b>	<b>329,821</b>	<b>503,271</b>	<b>627,588</b>	<b>712,364</b>	<b>774,375</b>	<b>481,393</b>	<b>603,720</b>	<b>680,907</b>	<b>736,894</b>	<b>292</b>
Male	316,401	480,147	594,996	671,752	730,141	459,934	573,587	643,643	698,410	278
Female	13,420	23,124	32,592	40,612	44,234	21,459	30,133	37,264	40,484	16
Federal institutions <sup>2</sup>	24,363	40,223	49,928	59,171	67,432	32,695	42,738	47,168	50,810	20
State institutions	305,458	463,048	577,660	653,193	706,943	448,698	560,982	633,739	688,084	272
<b>Northeast</b>	<b>45,796</b>	<b>75,706</b>	<b>98,180</b>	<b>113,970</b>	<b>123,392</b>	<b>72,656</b>	<b>94,522</b>	<b>109,399</b>	<b>119,063</b>	<b>232</b>
N.E.	9,926	15,432	19,784	22,830	25,079	12,490	15,143	18,270	20,759	158
ME	814	1,226	1,277	1,455	1,523	967	1,214	1,432	1,480	118
NH	326	683	1,019	1,166	1,342	683	1,019	1,166	1,342	117
VT <sup>3</sup>	480	677	820	905	1,049	443	553	626	681	117
MA <sup>4</sup>	3,185	5,390	6,757	7,524	8,273	5,390	6,455	7,268	7,899	132
RI <sup>3</sup>	813	1,307	1,906	2,479	2,392	964	1,179	1,489	1,586	157
CT <sup>3</sup>	4,308	6,149	8,005	9,301	10,500	4,043	4,723	6,309	7,771	238
MA	35,870	60,274	79,396	91,140	98,313	60,166	79,379	91,129	98,304	260
NY	21,815	34,712	44,560	51,232	54,895	34,712	44,560	51,232	54,895	304
NJ	6,584	11,335	16,936	19,439	21,128	11,335	16,936	19,439	21,128	271
PA	8,171	14,227	17,900	20,469	22,290	14,119	17,983	20,458	22,281	183
<b>Midwest</b>	<b>66,211</b>	<b>95,704</b>	<b>120,382</b>	<b>136,342</b>	<b>145,791</b>	<b>95,245</b>	<b>120,077</b>	<b>136,046</b>	<b>145,478</b>	<b>239</b>
E.N.C.	51,175	72,599	92,914	106,018	113,703	72,280	92,751	105,884	113,555	267
OH	13,489	20,864	26,462	30,538	31,822	20,864	26,462	30,538	31,822	289
IN <sup>4</sup>	6,683	9,904	11,406	12,341	12,736	9,615	11,271	12,220	12,615	223
IL <sup>4</sup>	11,899	18,634	21,081	24,712	27,516	18,634	21,081	24,712	27,516	234
MI <sup>4</sup>	15,124	17,755	27,612	31,639	34,267	17,755	27,612	31,639	34,267	366
WI	3,980	5,442	6,353	6,785	7,362	5,412	6,325	6,775	7,335	149
W.N.C.	15,036	23,105	27,468	30,324	32,088	22,965	27,326	30,162	31,923	207
MN	2,001	2,343	2,799	3,103	3,176	2,343	2,799	3,103	3,176	72
IA	2,481	2,832	3,034	3,584	3,967	2,832	3,034	3,584	3,967	139
MO	5,726	9,915	12,176	13,921	14,943	9,915	12,176	13,921	14,943	287
ND	253	422	466	451	483	375	414	404	435	67
SD	635	1,047	1,020	1,256	1,341	1,035	1,020	1,256	1,341	187
NE	1,446	1,814	2,156	2,393	2,403	1,733	2,066	2,278	2,286	140
KS	2,494	4,732	5,817	5,616	5,775	5,743	5,817	5,616	5,775	227
<b>South</b>	<b>146,926</b>	<b>202,926</b>	<b>233,907</b>	<b>262,270</b>	<b>284,029</b>	<b>195,868</b>	<b>226,735</b>	<b>252,769</b>	<b>275,217</b>	<b>316</b>
S.A.	78,815	108,228	126,428	141,997	152,886	101,620	119,642	133,142	144,713	330
DE <sup>3</sup>	1,474	2,553	3,197	3,458	3,471	1,759	2,207	2,284	2,241	323
MD	7,731	13,005	14,276	16,514	17,848	12,303	13,572	15,378	16,734	348
DC <sup>3</sup>	3,145	6,404	8,831	9,954	9,947	4,604	6,628	6,650	6,798	1148
VA	9,920	12,073	14,184	16,477	17,593	11,717	13,928	16,273	17,418	279
WV	1,257	1,725	1,455	1,536	1,565	1,725	1,455	1,536	1,565	85
NC <sup>4</sup>	15,513	17,344	17,078	17,454	18,411	16,007	16,251	16,628	17,764	265
SC <sup>4</sup>	7,862	10,510	13,888	15,720	17,319	9,908	12,902	14,808	16,208	451
GA <sup>4</sup>	12,178	16,014	18,787	20,885	22,345	15,115	18,018	19,619	21,605	327
FL <sup>4</sup>	20,735	28,600	34,732	39,999	44,387	28,482	34,681	39,966	44,380	336
E.S.C.	21,055	30,335	34,833	40,737	43,451	29,885	34,447	40,194	42,860	278
KY	3,588	5,801	7,119	8,289	9,023	5,801	7,119	8,289	9,023	241
TN	7,022	67,127	67,720	90,630	90,388	7,127	7,720	10,630	10,388	207
AL	6,543	11,015	12,610	13,907	15,665	10,749	12,357	13,575	15,365	370
MS	3,902	6,392	7,384	7,911	8,375	6,208	7,251	7,700	8,084	307
W.S.C.	46,488	64,363	72,646	79,536	87,692	64,363	72,646	79,433	87,644	323
AR	2,911	4,611	5,519	6,649	6,766	4,611	5,519	6,546	6,718	277
LA	8,889	13,890	16,242	17,257	18,599	13,890	16,242	17,257	18,599	427
OK	4,796	8,330	10,448	11,608	12,285	8,330	10,448	11,608	12,285	381
TX <sup>4</sup>	29,892	37,532	40,437	44,022	50,042	57,532	40,437	44,022	50,042	290
<b>West</b>	<b>47,093</b>	<b>88,712</b>	<b>124,191</b>	<b>140,611</b>	<b>153,731</b>	<b>84,929</b>	<b>119,648</b>	<b>135,525</b>	<b>148,326</b>	<b>277</b>
Mt	13,141	22,798	31,325	35,027	36,780	22,329	30,689	34,438	36,158	264
MT	739	1,129	1,272	1,328	1,425	1,129	1,272	1,328	1,425	176
ID	817	1,294	1,581	1,850	1,961	1,294	1,581	1,850	1,961	190
WY	534	758	945	1,026	1,110	758	945	1,026	1,110	237
CO	2,629	3,369	5,765	6,908	7,018	5,369	5,765	6,908	7,018	209
NM	1,279	2,313	2,825	3,158	3,187	2,112	2,723	3,120	3,067	196
AZ <sup>4</sup>	4,372	8,531	12,095	13,251	14,261	8,273	11,578	12,726	13,781	375
UT	932	1,633	1,961	2,394	2,496	1,623	1,944	2,368	2,474	142
NV	1,839	3,771	4,881	5,112	5,322	3,771	4,881	5,112	5,322	444
Pac.	33,952	65,914	92,866	105,584	116,951	62,600	88,959	101,087	112,168	286
WA	14,399	6,909	5,816	6,928	7,995	6,909	5,816	6,928	7,995	162
OR	3,177	4,454	5,991	6,156	6,492	4,454	5,991	6,156	6,492	223
CA <sup>4</sup>	24,569	50,111	76,171	87,297	97,309	48,279	73,780	84,338	94,122	311
AK <sup>3</sup>	822	2,329	2,588	2,744	2,622	1,530	1,862	1,908	1,851	348
HI <sup>3</sup>	985	2,111	2,300	2,459	2,533	1,428	1,510	1,757	1,708	150

<sup>1</sup> Based on resident population estimated as of July 1, 1989. <sup>2</sup> Includes persons held under other jurisdiction, not shown separately. <sup>3</sup> Includes both jail and prison inmates (State has combined jail and prison system). <sup>4</sup> Numbers are custodial, not jurisdictional counts. <sup>5</sup> Includes an undetermined number of prisoners with sentences shorter than 1 year. <sup>6</sup> Jurisdiction counts exclude prisoners held in jail because of crowding.

## No. 332. Adults Under Correctional Supervision: 1989

[In thousands except rate. As of Dec. 31. Excludes juveniles, persons incarcerated in mental health institutions in lieu of prison, persons held by the armed services, persons held on Indian reservations, parolees under county jurisdiction, parolees whose sentences were for 1 year or less, and court probationers (those not placed under the supervisory authority of a probation agency)]

REGION, DIVISION, AND STATE	Total <sup>1</sup>	Rate <sup>2</sup>	Prison <sup>3</sup>	Parole <sup>4</sup>	Probation <sup>5</sup>	REGION, DIVISION, AND STATE	Total <sup>1</sup>	Rate <sup>2</sup>	Prison <sup>3</sup>	Parole <sup>4</sup>	Probation <sup>5</sup>
U.S. . . . .	4,053.9	220.1	683.4	456.8	2,520.5	DC . . . . .	26.1	562.2	9.2	4.9	10.4
Northeast . . .	729.7	188.6	109.3	110.5	443.8	VA . . . . .	51.5	111.5	14.4	7.4	19.1
N.E. . . . .	195.4	195.5	22.3	6.1	158.8	NC . . . . .	9.5	68.4	1.6	0.9	5.0
ME . . . . .	9.9	107.7	1.4	0.0	6.9	SC . . . . .	52.5	205.4	14.9	3.6	29.7
NH . . . . .	5.5	66.8	1.1	0.5	3.0	GA . . . . .	182.6	393.5	20.9	17.4	125.4
VT . . . . .	6.5	152.9	0.9	0.2	5.4	FL . . . . .	266.7	272.2	39.6	2.3	192.5
MA . . . . .	106.4	232.6	7.6	4.7	88.5	E.S.C. . . . .	157.9	139.6	35.0	22.9	72.8
RI . . . . .	15.1	196.8	2.5	0.4	12.2	KY . . . . .	23.6	85.6	6.9	3.1	8.1
CT . . . . .	51.9	209.5	8.8	0.3	42.8	TN . . . . .	60.9	165.3	7.8	10.7	30.9
M.A. . . . .	534.3	186.2	86.9	104.4	285.0	AL . . . . .	51.5	171.2	13.6	5.8	26.5
NY . . . . .	245.7	180.7	51.2	36.7	128.7	MS . . . . .	21.8	117.9	6.8	3.3	7.3
NJ . . . . .	116.1	196.7	16.0	20.1	66.8	W.S.C. . . . .	600.8	311.7	72.7	106.0	365.3
PA . . . . .	172.5	187.5	19.7	47.7	89.5	AR . . . . .	28.5	162.5	5.8	3.5	17.6
Midwest . . . . .	791.5	177.5	136.2	55.9	542.8	LA. . . . .	67.0	215.5	13.1	9.2	32.3
E.N.C. . . . .	573.2	182.9	105.7	38.8	385.6	OK . . . . .	39.0	164.4	9.8	2.0	24.2
OH . . . . .	124.0	153.3	30.3	6.5	78.2	TX . . . . .	466.2	387.3	44.0	91.3	291.2
IN . . . . .	84.1	203.4	12.4	3.5	61.9	West. . . . .	813.5	214.9	139.3	84.9	488.3
IL . . . . .	144.4	166.4	24.7	14.6	93.9	Mt. . . . .	148.0	153.4	34.5	10.0	82.4
MI . . . . .	173.7	254.3	31.6	9.9	121.4	MT . . . . .	6.6	113.1	1.3	0.8	3.5
WI . . . . .	47.0	130.2	6.7	4.4	30.2	ID. . . . .	7.6	107.6	1.6	0.2	4.0
W.N.C. . . . .	218.3	164.8	30.5	17.2	157.1	WY . . . . .	4.1	121.7	1.0	0.3	2.4
MN . . . . .	67.0	207.9	3.1	1.7	58.6	CO . . . . .	39.6	161.5	6.4	1.8	26.4
IA . . . . .	21.3	99.7	3.6	1.9	13.7	NM . . . . .	12.0	112.0	3.0	1.2	5.7
MO . . . . .	71.4	185.2	13.9	7.6	45.3	AZ . . . . .	49.1	190.7	13.3	2.0	27.7
ND . . . . .	2.6	53.8	0.5	0.1	1.7	UT . . . . .	10.8	100.1	2.4	1.3	5.5
SD . . . . .	4.9	95.1	1.3	0.5	2.7	NV . . . . .	18.1	217.2	5.4	2.4	7.3
NE . . . . .	16.9	142.3	2.4	0.5	12.6	Pac. . . . .	665.5	235.9	104.8	75.0	405.9
KS . . . . .	34.3	184.8	5.6	4.8	22.5	WA . . . . .	98.7	278.5	7.0	9.8	74.3
South . . . . .	1,585.2	251.6	245.3	184.0	986.5	OR . . . . .	46.8	220.2	5.7	5.8	31.9
S.A. . . . .	826.6	254.9	137.6	55.1	548.5	CA . . . . .	498.6	233.5	87.3	57.5	285.0
DE . . . . .	13.8	273.6	3.1	1.0	9.7	AK . . . . .	6.5	179.4	2.5	0.5	3.3
MD . . . . .	119.3	337.6	16.2	9.9	84.5	HI . . . . .	15.0	181.3	2.3	1.3	11.4

<sup>1</sup> Includes persons in jail not shown separately. <sup>2</sup> Rate per 10,000 persons 18 years old and over. <sup>3</sup> Includes all inmates of Federal and State institutions. <sup>4</sup> Includes all adults under State parole supervision whether released from prison via parole board decision or mandatory release, who were sentenced to more than one year in prison. <sup>5</sup> Includes all adults who, as part of a State, or local court order, have been placed under the supervisory authority of a probation agency.

Source: U.S. Bureau of Justice Statistics, *Probation and Parole*, annual; *Prisoners in State and Federal Institutions on December 31*, annual; and *Correctional Populations in the United States*, annual.

## No. 333. Prisoners Under Sentence of Death: 1980 to 1990

[As of December 31. Excludes prisoners under sentence of death who remained within local correctional systems pending exhaustion of appellate process or who had not been committed to prison]

CHARACTERISTIC	1980	1985	1988	1989	1990	CHARACTERISTIC	1980	1985	1988	1989	1990
Total <sup>1</sup> . . . . .	688	1,575	2,117	2,243	2,356	Marital status:					
White . . . . .	418	896	1,235	1,308	1,375	Never married . . . . .	268	655	898	956	998
Black and other . . . . .	270	679	882	935	981	Married . . . . .	229	487	594	610	632
Under 20 years . . . . .	11	13	11	6	8	Divorced <sup>2</sup> . . . . .	217	449	632	684	726
20 to 24 years . . . . .	173	212	195	191	168	Time elapsed since sentencing:					
25 to 34 years . . . . .	334	804	1,048	1,080	1,110	Less than 12 months . . . . .	185	273	293	231	231
35 to 54 years . . . . .	186	531	823	917	1,006	12 to 47 months . . . . .	389	739	812	809	753
55 years and over . . . . .	10	31	47	56	64	48 to 71 months . . . . .	102	303	409	408	438
Years of school completed:						72 months and over . . . . .	38	276	610	602	934
7 years or less . . . . .	68	147	180	183	178	Legal status at arrest:					
8 years . . . . .	74	159	184	178	186	Not under sentence . . . . .	384	861	1,207	1,301	1,345
9 to 11 years . . . . .	204	483	692	739	775	Parole or probation . . . . .	115	350	3,545	3,585	578
12 years . . . . .	162	440	657	695	729	Prison or escaped . . . . .	45	81	93	94	128
More than 12 years . . . . .	43	127	180	192	209	Unknown . . . . .	170	299	279	270	305
Unknown . . . . .	163	235	231	263	279						

<sup>1</sup> For 1980 to 1989, revisions to the total number of prisoners were not carried to the characteristics except for race. <sup>2</sup> Includes persons married but separated, widows, widowers, and unknown. <sup>3</sup> Includes prisoners on mandatory conditional release, work release, leave, AWOL, or bail. Covers 20 prisoners in 1985 and 24 in 1988 and 1989.

Source: U.S. Bureau of Justice Statistics, *Capital Punishment*, annual.

**No. 334. Movement of Prisoners Under Sentence of Death: 1980 to 1990**

[Prisoners reported under sentence of death by civil authorities. The term "under sentence of death" begins when the court pronounces the first sentence of death for a capital offense. As a result of a major procedural change, beginning 1980, all data except executions are not strictly comparable to corresponding data in 1975. See source for explanation]

STATUS	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Under sentence of death, Jan. 1	595	688	856	1,063	1,209	1,420	1,575	1,800	1,967	2,117	2,243
Received death sentence <sup>1</sup>	203	250	287	263	296	281	297	299	296	251	244
White	125	131	166	156	173	165	164	190	196	133	147
Black	77	115	117	105	119	114	123	106	91	114	94
Dispositions other than executions <sup>2</sup>	101	82	76	117	69	108	73	90	128	102	108
Executions		1	2	5	21	18	18	25	11	16	23
Under sentence of death, Dec. 31 <sup>1</sup>	688	856	1,063	1,209	1,420	1,575	1,800	1,967	2,117	2,243	2,366
White	425	499	615	694	809	896	1,006	1,128	1,238	1,308	1,375
Black	268	357	446	508	595	664	750	813	853	898	943

- Represents zero. <sup>1</sup> Includes races other than White or Black. <sup>2</sup> Revisions to total number of prisoners under death sentence not carried to this category.

Source: U.S. Bureau of Justice Statistics, *Capital Punishment*, annual.

**No. 335. Prisoners Executed Under Civil Authority: 1930 to 1990**

[Excludes executions by military authorities. The Army (including the Air Force) carried out 160 (148 between 1942 and 1950, 3 each in 1954, 1955, and 1957, and 1 each in 1958, 1959, and 1961). Of the total, 106 were executed for murder (including 21 involving rape), 53 for rape, and 1 for desertion. The Navy carried out no executions during the period. See also *Historical Statistics, Colonial Times to 1970*, series H 1155-1167.]

YEAR OR PERIOD	Total <sup>1</sup>	White	Black	EXECUTED FOR MURDER			EXECUTED FOR RAPE			EXECUTED, OTHER OFFENSES <sup>2</sup>		
				Total <sup>1</sup>	White	Black	Total <sup>1</sup>	White	Black	Total <sup>1</sup>	White	Black
All years . . . . .	4,002	1,838	2,122	3,477	1,751	1,686	455	48	405	70	39	31
1930 to 1939 . . . . .	1,667	827	816	1,514	803	687	125	10	115	28	14	14
1940 to 1949 . . . . .	1,284	490	781	1,064	458	595	200	19	179	20	13	7
1950 to 1959 . . . . .	717	336	376	601	316	280	102	13	89	14	7	7
1960 to 1967 . . . . .	191	98	93	155	87	68	28	6	22	8	5	3
1968 to 1976 . . . . .	-	-	-	-	-	-	-	-	-	-	-	-
1977 to 1980 . . . . .	3	3	-	3	3	-	-	-	-	-	-	-
1981 . . . . .	1	1	-	1	1	-	-	-	-	-	-	-
1982 . . . . .	2	1	1	2	1	1	-	-	-	-	-	-
1983 . . . . .	5	4	1	5	4	1	-	-	-	-	-	-
1984 . . . . .	21	13	8	21	13	8	-	-	-	-	-	-
1985 . . . . .	18	11	7	18	11	7	-	-	-	-	-	-
1986 . . . . .	18	11	7	18	11	7	-	-	-	-	-	-
1987 . . . . .	25	13	12	25	13	12	-	-	-	-	-	-
1988 . . . . .	11	6	5	11	6	5	-	-	-	-	-	-
1989 . . . . .	16	8	8	16	8	8	-	-	-	-	-	-
1990 . . . . .	23	16	7	23	16	7	-	-	-	-	-	-

- Represents zero. <sup>1</sup> Includes races other than White or Black. <sup>2</sup> Includes 25 armed robbery, 20 kidnapping, 11 burglary, 8 espionage (6 in 1942 and 2 in 1953), and 6 aggravated assault.

Source: Through 1978, U.S. Law Enforcement Assistance Administration; thereafter, U.S. Bureau of Justice Statistics, *Correctional Populations in the United States*, annual.

**No. 336. Prisoners Under Sentence of Death and Executed Under Civil Authority, by States: 1950 to 1990**

[No executions took place in Maine, Michigan, Minnesota, New Hampshire, North Dakota, Rhode Island, and Wisconsin from 1940 to 1987. Maine, Minnesota, and Wisconsin never authorized the death penalty during the period. New Hampshire and Rhode Island authorized it for most of the 4 decades but did not apply it. Michigan abolished the penalty in 1963, and North Dakota allowed the punishment statute to lapse in 1975. Alaska and Hawaii could enter these data after receiving statehood in 1959, but neither has authorized the death penalty.]

STATE	1950 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	STATE	1950 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	STATE	1950 to 1959	1960 to 1969	1970 to 1979	1980 to 1989
U.S. <sup>1</sup>	717	191	3	117	23	IA	1	2	-	OH	32	7	-	-
						KS	5	5	-	OK	7	6	-	1
AL	20	5	-	7	1	KY	16	1	-	OR	4	1	-	-
AZ	8	4	-	-	LA	27	1	-	PA	31	3	-	-	
AR	18	9	-	-	MD	6	1	-	SC	26	8	-	2	
CA	74	30	-	-	MA	-	-	-	SD	-	-	-	-	
CO	3	6	-	-	MS	36	10	-	TN	8	1	-	-	
CT	5	1	-	-	MO	7	4	-	TX	74	29	-	33	
DE	-	-	-	-	MT	-	-	-	UT	6	1	1	2	
DC	4	-	-	-	NE	2	-	-	VT	2	-	-	-	
FL	49	12	1	20	4	NV	9	2	1	WA	6	2	-	3
GA	85	14	-	14	N.J.	17	3	-	VA	23	6	-	-	
ID	3	-	-	-	NM	3	1	-	WV	9	-	-	-	
IL	9	2	-	-	NY	52	10	-	WY	-	1	-	-	
IN	2	1	-	2	NC	19	1	-	-	-	-	-	-	

- Represents zero. <sup>1</sup> Includes 23 Federal executions not shown by State (1940 to 1949, 13; 1950 to 1959, 9; and 1960 to 1969, 1).

Source: Through 1978, U.S. Law Enforcement Assistance Administration; thereafter, U.S. Bureau of Justice Statistics, *Capital Punishment*, annual.

## Fire Losses—Fire Deaths and Injuries

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### No. 337. Fire Losses—Total and Per Capita: 1960 to 1990

[1960 excludes Alaska and Hawaii. Includes allowance for uninsured and unreported losses but excludes losses to government property and forests. Represents incurred losses.]

YEAR	Total (mil. dol.)	Per capita <sup>1</sup>	YEAR	Total (mil. dol.)	Per capita <sup>1</sup>	YEAR	Total (mil. dol.)	Per capita <sup>1</sup>
1960.....	1,108	6.19	1973.....	2,639	12.49	1982.....	5,894	25.41
1965.....	1,456	7.51	1974.....	3,190	14.95	1983.....	6,320	26.98
1966.....	1,497	7.64	1975.....	3,190	14.81	1984.....	7,602	32.15
1967.....	1,707	8.66	1976.....	3,558	16.35	1985.....	7,753	32.47
1968.....	1,830	9.20	1977.....	3,764	17.13	1986.....	8,488	35.21
1969.....	1,952	9.71	1978.....	4,008	18.05	1987.....	8,634	35.44
1970.....	2,328	11.41	1979.....	4,851	21.60	1988.....	9,626	39.11
1971.....	2,316	11.20	1980.....	5,579	24.55	1989.....	9,514	38.33
1972.....	2,304	11.01	1981.....	5,625	24.50	1990.....	8,609	34.61

<sup>1</sup> Based on Bureau of the Census estimated resident population as of July 1.

Source: 1960, National Board of Fire Underwriters, New York, NY, *Report of the Committee on Statistics and Origin of Losses*; thereafter, Insurance Information Institute, New York, NY, *Insurance Facts*, annual.

### No. 338. Fires—Number and Loss, by Type and Property Use: 1980 to 1990

[Based on annual sample survey of fire departments. No adjustments were made for unreported fires and losses. Property loss includes direct property loss only]

TYPE AND PROPERTY USE	NUMBER (1,000)					PROPERTY LOSS (mil. dol.)				
	1980	1985	1988	1989	1990	1980	1985	1988	1989	1990
Fires, total.....	2,988	2,371	2,437	2,115	2,019	6,254	7,324	8,352	8,655	7,818
Structure.....	1,065	860	745	688	624	5,454	6,437	7,188	7,518	6,713
Outside of structure <sup>1</sup> .....	87	51	63	55	52	61	63	185	132	90
Brush and rubbish.....	1,115	832	1,009	819	787	-	-	-	-	-
Vehicle.....	472	456	478	436	436	685	792	941	963	967
Other.....	249	172	142	118	120	54	32	38	42	48
Structure by property use:										
Public assembly.....	29	24	20	18	17	326	462	297	286	317
Educational.....	20	13	10	9	9	101	114	112	116	136
Institutional.....	28	23	14	12	11	25	17	23	43	33
Stores and offices.....	62	49	38	35	31	645	654	754	703	603
Residential.....	758	622	552	513	467	3,042	3,774	4,020	3,998	4,253
1-2 family units <sup>3</sup> .....	591	502	432	402	359	2,447	3,217	3,349	3,335	3,534
Apartments.....	143	104	106	96	95	401	476	548	541	623
Hotels and motels.....	12	8	8	7	6	154	56	100	87	66
Other residential.....	12	8	6	8	7	40	25	168	35	30
Storage.....	65	52	50	44	40	512	683	735	673	534
Industry, utility, defense <sup>4</sup> .....	55	36	27	25	22	672	572	5,107 <sup>5</sup>	1,406	623
Special structures.....	48	41	34	32	27	131	161	168	293	214

<sup>1</sup> Represents zero. <sup>2</sup> Includes outside storage, crops, timber, etc. <sup>3</sup> Includes two prison fires totaling \$120 million. <sup>4</sup> Includes mobile homes. <sup>5</sup> Data underreported as some incidents were handled by private fire brigades or fixed suppression systems which do not report. <sup>6</sup> Data underreported as some incidents were handled by private fire brigades or fixed suppression systems which do not report. <sup>7</sup> Includes three industrial fires totaling \$464 million. <sup>8</sup> Includes one large industrial fire totaling \$750 million.

Source: National Fire Protection Association, Quincy, MA, "Fire Loss in the United States During 1990", *NFPA Journal*, September 1991, and prior issues, (copyright 1991)

### No. 339. Fires and Property Loss for Incendiary and Suspicious Fires and Civilian Fire Deaths and Injuries, by Selected Property Type: 1980 to 1990

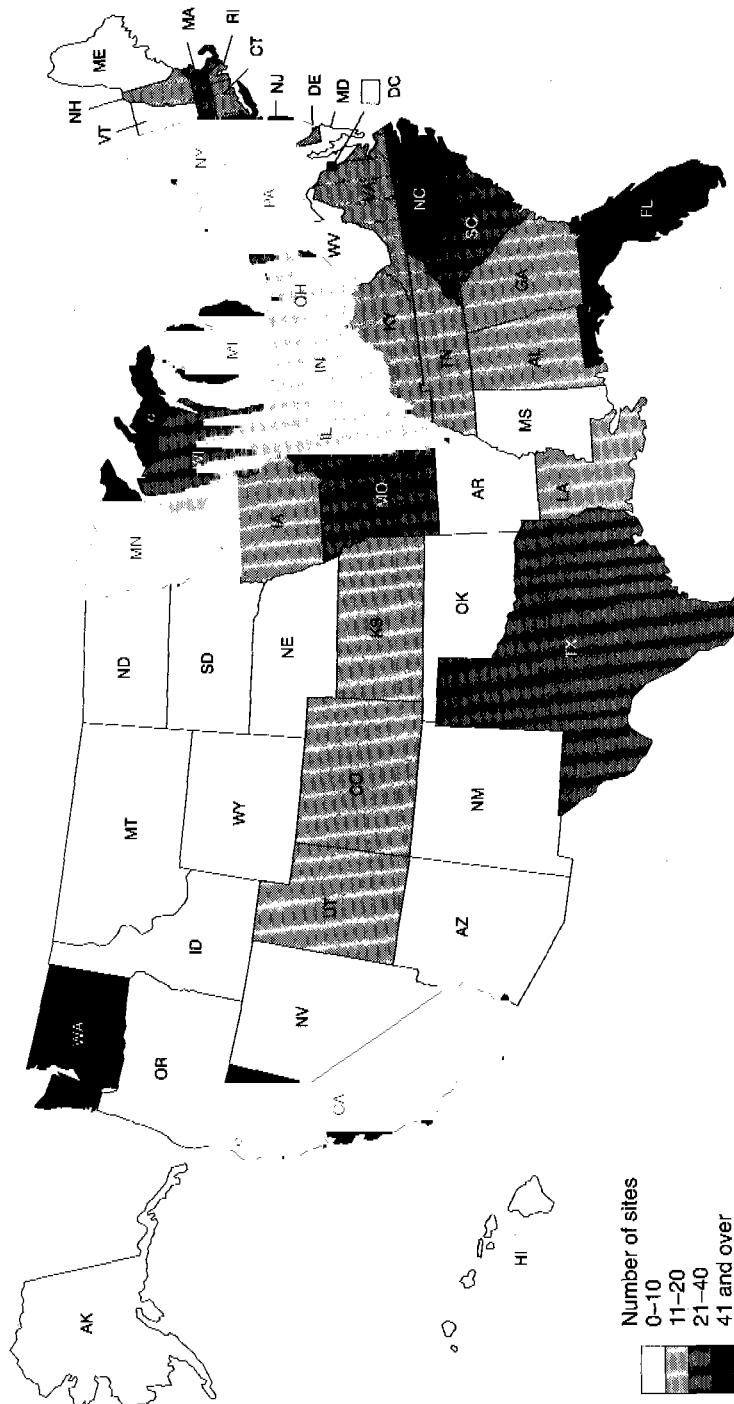
[Based on sample survey of fire departments]

ITEM	1980	1985	1989	1990	ITEM	1980	1985	1989	1990
<b>NUMBER (1,000)</b>					<b>CIVILIAN FIRE DEATHS</b>				
Structure fires, total.....	1,065	860	688	624	Deaths, total <sup>2</sup> .....	6,505	6,185	5,410	5,195
Structure fires of incendiary or suspicious origin.....	146	117	97	97	Residential property.....	5,446	5,025	4,435	4,115
Fires of incendiary origin.....	92	69	59	58	One- and two-family dwellings.....	4,175	4,020	3,545	3,370
Fires of suspicious origin.....	54	48	38	39	Apartments.....	1,025	865	790	680
<b>PROPERTY LOSS<sup>1</sup> (mil. dol.)</b>					Vehicles.....	740	825	685	695
Structure fires, total.....	5,454	6,437	7,518	6,713	<b>CIVILIAN FIRE INJURIES</b>				
Structure fires of incendiary or suspicious origin.....	1,760	1,670	1,558	1,394	Injuries, total <sup>2</sup> .....	30,200	28,425	28,250	28,600
Fires of incendiary origin.....	1,158	1,069	1,057	875	Residential property.....	21,000	19,825	20,750	20,650
Fires of suspicious origin.....	602	601	501	519	One- and two-family dwellings.....	16,100	15,250	15,225	15,250
					Apartments.....	3,600	3,925	5,050	4,975
					Vehicles.....	4,075	3,600	3,025	3,350

<sup>1</sup> Direct property loss only. <sup>2</sup> Includes other not shown separately.

Source: National Fire Protection Association, Quincy, MA, "Fire Loss in the United States during 1990", *NFPA Journal*, September 1991, and prior issues, (copyright 1991).

Figure 6.1  
Hazardous Waste Sites: June 1991



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 357.

# Geography and Environment

This section presents a variety of information on the physical environment of the United States, starting with basic area measurement data and ending with climatic data for selected weather stations around the country. The subjects covered between those points are mostly concerned with environmental trends, but include such related subjects as land use and ownership, water consumption, hazardous waste sites, threatened and endangered wildlife, and expenditures for pollution abatement and control.

The information in this section is selected from a wide range of Federal agencies that compile the data for various administrative or regulatory purposes, such as the Environmental Protection Agency, Geological Survey, National Oceanic and Atmospheric Administration, and General Services Administration. Other agencies include the Bureau of the Census, which presents nationwide area measurement information; the Council on Environmental Quality (CEQ), which presents data on environmental conditions and pollutants in its annual report; and the Bureau of Economic Analysis, which compiles data on pollution abatement and control expenditures.

For the 1990 census, area measurements were calculated by computer based on the information contained in a single, consistent geographic data base, the TIGER File (described below), rather than relying on historical and local information. This especially affects inland water areas in 1990, which had only covered those bodies of water of least 40 acres and those streams with a width of at least one-eighth of a statute mile from 1940 to 1980. Inland water areas in 1990 increased because the data reflected any body of water or stream that appeared in the TIGER data base; however, water areas shown in the 1990 census data files reflect all water whereas water area measurements reported in the previous censuses were only for inland water.

**Geography.**—The Geological Survey conducts investigations, surveys, and research in the fields of geography, geology, topography, geographic information

## In Brief

Pollution abatement expenditures,	
1989	\$91 bil.
Superfund hazardous waste sites,	
1991	1,211

Municipal solid waste	
per person	4 lb. per day

systems, mineralogy, hydrology, and geothermal energy resources as well as natural hazards. In cooperation with State and local agencies, the Geological Survey prepares and publishes topographic, land use/land cover, geologic, and hydrologic maps and data compilations. The Geological Survey provides United States cartographic data through the Earth Sciences Information Center, water resources data through a multi-volume *Catalog of Information on Water Data*, and a variety of research and Open-File reports which are announced monthly in *New Publications of the Geological Survey*. In a joint project with the Census Bureau, the Geological Survey has provided the basic information on geographic features for input into a national geographic and cartographic data base being prepared by the Census Bureau, called the TIGER (Topologically Integrated Geographic Encoding and Referencing) System.

Maps prepared by the Bureau of the Census show names and boundaries of various types of legal and statistical areas, such as places, county subdivisions, census tracts, and urbanized areas, and are available as of the specific decennial census. An inventory of most of these areas is available for the 1990 census both in printed and tape form in the *Geographic Identification Code Scheme* and for the 1987 economic censuses in the *Geographic Reference Manual* (EC87-R-1). The Census Bureau maintains a current inventory of governmental units and their legal boundaries through its annual Boundary and Annexation Survey. The TIGER

data base contains information on the legal and statistical entities used by the Census Bureau, as well as on both man-made and natural features, such as streets, roads, railroads, rivers, and lakes; information is available to the public in form of machine-readable TIGER extract files.

An inventory of the Nation's land resources by type of use/cover was conducted by the Soil Conservation Service in 1982 and 1987. The results, published in the *1987 National Inventory of Land Resources*, cover all non-Federal land in Puerto Rico, the Virgin Islands, and the U.S. except Alaska.

**Environment.**—The CEQ is responsible for overseeing the environmental assessment process, recommending national environmental policies, analyzing changes and trends in the environment, and for reviewing Federal programs affecting the environment. It reports on environmental conditions, trends, programs and activities in its annual publication, *Environmental Quality*. The principal Federal agency responsible for pollution abatement and control activities is the Environmental Protection Agency (EPA). It is responsible for establishing and monitoring national air quality standards, water quality activities, solid and hazardous waste disposal, and control of toxic substances.

National Ambient Air Quality Standards (NAAQS) for suspended particulate matter, sulfur dioxide, photochemical oxidants, carbon monoxide, and nitrogen dioxide were originally set by the EPA in April 1971. Every 5 years each of the NAAQS are reviewed and revised if new health or welfare data indicates that a change is necessary. The standard for photochemical oxidants now called ozone was revised in February 1979. Also, a new NAAQS for lead was promulgated in October 1978 and for suspended particulate matter in 1987. Table 352 gives some of the health-related standards for the six air pollutants having NAAQS. Responsibility for demonstrating compliance with or progress toward achieving these standards lies with the State agencies. In 1990 there were 1,279 nonFederal sampling stations for particulates, 741 for sulfur dioxide, 491 for carbon monoxide, 812 for ozone, 330

for nitrogen dioxide, and 406 for lead. Data from these State networks are periodically submitted to EPA's National Aerometric Data Bank for summarization in annual reports on the nationwide status and trends in air quality; for details, see *National Air Quality and Emissions Trends Report, 1990*.

**Pollution abatement and control expenditures.**—Data on expenditures for pollution abatement and control are compiled and published by the U.S. Bureau of Economic Analysis (BEA), the U.S. Bureau of the Census, and the CEQ as part of ongoing programs. BEA conducts surveys on national expenditures for pollution abatement and control and presents the data in its *Survey of Current Business*. The U.S. Bureau of the Census collects data on State and local government and industry expenditures on control activities. Data on government expenditures are reported in an annual series of publications, *Government Finances*, which covers expenditures on sewage and sanitation outlays. Industry data are reported annually in *Current Industrial Reports*. CEQ publishes some expenditure data in *Environmental Quality*.

**Climate.**—NOAA, through the National Weather Service and the National Environmental Satellite, Data and Information Service, is responsible for data on climate. NOAA maintains about 11,600 weather stations, of which over 3,000 produce autographic precipitation records, about 600 take hourly readings of a series of weather elements, and the remainder record data once a day. These data are reported monthly in the *Climatological Data* (published by State), and monthly and annually in the *Local Climatological Data* (published by location for major cities).

The climatological temperature, precipitation, and degree day normals listed in this publication are derived for comparative purposes and are averages for the 30-year period, 1961-90. For stations that did not have continuous records for the entire 30 years from the same instrument site, the normals have been adjusted to provide representative values for the current location. The information in all other tables is based on data from the beginning of the record at that location through 1990, except as noted.

## No. 340. Land and Water Area of States and Other Areas: 1990

[One square mile = 2.59 square kilometers. See *Historical Statistics of the United States, Colonial Times to 1970*, series A 210-263, for land area]

REGION, DIVISION, STATE, AND OTHER AREA	Year admitted to state- hood	TOTAL AREA			LAND AREA		WATER AREA	
		Rank	Sq. mi.	Sq. km.	Sq. mi.	Sq. km.	Sq. mi.	Sq. km.
United States . . . . .	(X)	(X)	3,787,425	9,809,431	3,536,342	9,159,125	251,083	650,306
Northeast . . . . .	(X)	(X)	181,252	469,442	162,274	420,289	18,978	49,152
New England . . . . .	(X)	(X)	71,997	186,472	62,812	162,682	9,185	23,790
Maine . . . . .	1820	39	35,387	91,653	30,865	79,939	4,523	11,714
New Hampshire . . . . .	1788	46	9,351	24,219	8,969	23,231	382	988
Vermont . . . . .	1791	45	9,815	24,903	9,249	23,956	366	947
Massachusetts . . . . .	1788	44	10,555	27,337	7,838	20,300	2,717	7,037
Rhode Island . . . . .	1790	50	1,545	4,002	1,045	2,706	500	1,295
Connecticut . . . . .	1788	48	5,544	14,358	4,845	12,550	698	1,808
Middle Atlantic . . . . .	(X)	(X)	109,255	282,970	99,462	257,607	9,792	25,362
New York . . . . .	1788	27	54,475	141,089	47,224	122,310	7,251	18,779
New Jersey . . . . .	1787	47	8,722	22,590	7,419	19,215	1,303	3,375
Pennsylvania . . . . .	1787	33	46,058	119,291	44,820	116,083	1,239	3,208
Midwest . . . . .	(X)	(X)	821,872	2,128,648	751,521	1,946,440	70,350	182,208
East North Central . . . . .	(X)	(X)	301,479	780,830	243,539	630,766	57,940	150,064
Ohio . . . . .	1803	34	44,828	116,103	40,953	106,067	3,875	10,036
Indiana . . . . .	1816	38	36,420	94,328	35,870	92,904	550	1,424
Illinois . . . . .	1818	25	57,918	150,007	55,593	143,987	2,325	6,021
Michigan . . . . .	1837	11	96,810	250,738	56,809	147,136	40,001	103,603
Wisconsin . . . . .	1848	23	65,503	169,653	54,314	140,673	11,190	26,981
West North Central . . . . .	(X)	(X)	520,393	1,347,817	507,982	1,315,674	12,410	32,143
Minnesota . . . . .	1858	12	86,943	225,182	79,617	206,207	7,326	18,974
Iowa . . . . .	1846	26	56,276	145,754	55,875	144,716	401	1,038
Missouri . . . . .	1821	21	69,709	180,546	68,898	178,446	811	2,100
North Dakota . . . . .	1889	19	70,704	183,123	68,994	178,695	1,710	4,428
South Dakota . . . . .	1889	17	77,121	199,745	75,898	196,575	1,224	3,169
Nebraska . . . . .	1867	16	77,358	200,358	76,878	198,113	481	1,245
Kansas . . . . .	1861	15	82,282	213,110	81,823	211,922	459	1,189
South . . . . .	(X)	(X)	919,937	2,382,636	871,070	2,256,071	48,887	126,565
South Atlantic . . . . .	(X)	(X)	292,993	758,853	266,220	689,510	26,773	69,343
Delaware . . . . .	1787	49	2,489	6,447	1,955	5,062	535	1,385
Maryland . . . . .	1788	42	12,407	32,135	9,775	25,316	2,633	6,819
District of Columbia . . . . .	(X)	(X)	68	177	61	159	7	18
Virginia . . . . .	1788	35	42,769	110,771	39,598	102,558	3,171	8,213
West Virginia . . . . .	1863	41	24,231	62,759	24,087	62,384	145	375
North Carolina . . . . .	1789	28	53,821	139,397	48,718	126,180	5,103	13,217
South Carolina . . . . .	1788	40	32,007	82,898	30,111	77,988	1,896	4,911
Georgia . . . . .	1788	24	59,441	153,953	57,919	150,010	1,522	3,943
Florida . . . . .	1845	22	65,758	170,313	53,997	139,852	11,761	30,461
East South Central . . . . .	(X)	(X)	183,414	475,042	178,616	462,615	4,798	124,427
Kentucky . . . . .	1792	37	40,411	104,665	39,732	102,907	679	1,758
Tennessee . . . . .	1796	36	42,146	109,158	41,220	106,759	926	2,400
Alabama . . . . .	1819	30	52,423	135,775	50,750	131,443	1,673	4,332
Mississippi . . . . .	1817	32	48,434	125,443	46,914	121,506	1,520	3,937
West South Central . . . . .	(X)	(X)	443,530	1,148,742	426,234	1,103,946	17,296	44,795
Arkansas . . . . .	1836	29	53,182	137,742	52,075	134,875	1,107	2,867
Louisiana . . . . .	1812	31	51,843	134,275	43,566	112,836	8,277	21,439
Oklahoma . . . . .	1907	20	69,903	181,049	68,679	177,877	1,224	3,171
Texas . . . . .	1845	2	268,601	695,676	261,914	678,358	6,687	17,319
West . . . . .	(X)	(X)	1,864,365	4,828,706	1,751,477	4,536,325	112,888	292,381
Mountain . . . . .	(X)	(X)	863,614	2,236,760	856,122	2,217,356	7,492	19,403
Montana . . . . .	1889	4	147,046	380,850	145,556	376,991	1,490	3,859
Idaho . . . . .	1890	14	83,574	216,456	82,751	214,325	823	2,131
Wyoming . . . . .	1890	10	97,818	253,349	97,105	251,501	714	1,848
Colorado . . . . .	1876	8	104,100	269,620	103,730	268,660	371	960
New Mexico . . . . .	1912	5	121,598	314,938	121,365	314,334	234	605
Arizona . . . . .	1912	6	114,006	295,276	113,642	294,333	364	943
Utah . . . . .	1896	13	84,904	219,902	82,168	212,816	2,736	7,086
Nevada . . . . .	1864	7	110,567	286,368	109,806	286,397	761	1,971
Pacific . . . . .	(X)	(X)	1,000,751	2,591,946	895,355	2,318,868	105,397	272,978
Washington . . . . .	1889	18	71,303	184,674	66,582	172,447	4,721	12,227
Oregon . . . . .	1859	9	98,386	254,819	96,003	248,647	2,383	6,172
California . . . . .	1850	3	163,707	424,002	155,973	403,970	7,734	20,031
Alaska . . . . .	1959	1	656,424	1,700,139	570,374	1,477,267	86,051	222,871
Hawaii . . . . .	1959	43	10,932	28,313	6,423	16,636	4,508	11,676
Other areas:								
Puerto Rico . . . . .	(X)	(X)	3,515	9,104	3,459	8,959	56	145
American Samoa . . . . .	(X)	(X)	77	199	77	199	-	-
Guam . . . . .	(X)	(X)	209	541	209	541	-	-
No. Mariana Islands . . . . .	(X)	(X)	184	477	184	477	-	-
Palau . . . . .	(X)	(X)	192	497	192	497	-	-
Virgin Islands of the U.S. . . . .	(X)	(X)	132	342	132	342	1	3

- Represents zero. X Not applicable. <sup>1</sup> Year of ratification of Constitution; one of the original 13 States.

Source: U.S. Bureau of the Census, 1990 Census of Population and Housing, series CPH-1.

**No. 341. Territorial Expansion of the United States and Acquisitions of Other Areas**

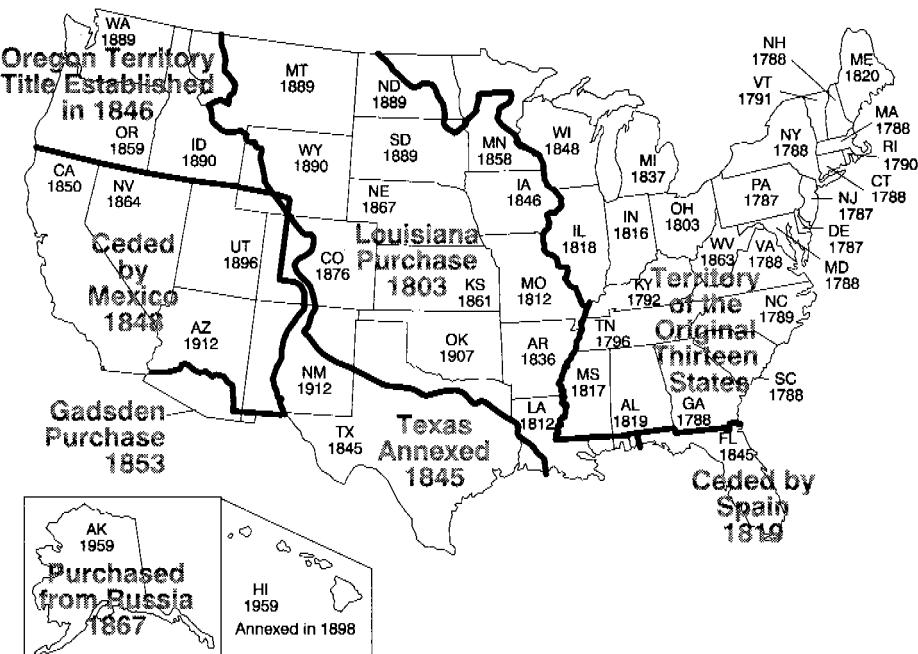
[One square mile=2.59 square kilometers. Boundaries of all territories listed under "United States" were indefinite, at least in part, at time of acquisition. Area figures shown here represent precise determinations of specific territories which have been marked upon maps, based upon interpretations of the several treaties of cession, which are necessarily debatable. See also *Historical Statistics, Colonial Times to 1970*, series J 1-2]

ACCESSION	Acquisition date	GROSS AREA (land and water)		ACCESSION	Acquisition date	GROSS AREA (land and water)	
		Sq. mi.	Sq. km.			Sq. mi.	Sq. km.
Total .....	(X)	3,791,748	9,820,629	Alaska .....	1867	570,374	1,477,267
United States <sup>1</sup> .....	(X)	3,787,318	9,809,155	Hawaii .....	1898	6,423	16,636
Territory in 1790 <sup>2</sup> .....	(X)	917,815	2,377,141	Other areas:			
Louisiana Purchase .....	1803	909,380	2,355,294	Puerto Rico .....	3 <sup>1</sup> 898	5,325	9,086
Purchase of Florida .....	1819	58,666	151,945	Guam .....	41898	571	562
Texas .....	1845	368,687	1,006,699	American Samoa .....	51899	583	233
Oregon .....	1846	266,541	742,141	Virgin Islands of the U.S. ....	1917	737	443
Mexican Cession .....	1848	529,189	1,370,600	Palau .....	6 <sup>1</sup> 947	630	624
Gadsden Purchase .....	1853	29,670	76,845	N. Mariana Islands .....	71947	1,950	490

X Not applicable. <sup>1</sup> Based on 1990 Census; sum of areas listed will not equal these figures. <sup>2</sup> Includes that part of drainage basin of Red River of the North, south of 49th parallel, sometimes considered part of Louisiana Purchase. <sup>3</sup> Ceded by Spain in 1898, ratified in 1899, and became Commonwealth of Puerto Rico by Act of Congress on July 25, 1952. <sup>4</sup> Acquired 1898; ratified 1899. <sup>5</sup> Acquired 1899; ratified 1900. <sup>6</sup> Remaining portion of the Trust Territory of the Pacific Islands (TTPI), under U. N. trusteeship since 1947. The Federated States of Micronesia and the Marshall Islands, also formerly part of the TTPI, became freely associated States in 1986 and are not included in the table. <sup>7</sup> Attained Commonwealth status in 1986, separate from the TTPI, of which it had been a part since 1947.

Source: U.S. Geological Survey, *Boundaries of the United States and the Several States*, Paper 909, 1976; and U.S. Bureau of the Census, unpublished data.

**Figure 6.2**  
**Territorial Expansion of the United States and Acquisitions of Other Principal Areas**



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 341.

## No. 342. Area and Acquisition of the Federal Public Domain: 1781 to 1989

[In millions of acres. Areas of acquisitions are as computed in 1912, and do not agree with figures in square miles shown in table 348 which include later adjustments and reflect subsequent remeasurement. Excludes outlying areas of the United States amounting to 645,949 acres in 1978. See also *Historical Statistics, Colonial Times to 1970*, series J 3-6]

YEAR	Land area total <sup>1</sup>	YEAR	LAND AREA <sup>1</sup>			YEAR AND ACQUISITION	ACREAGE		
			Total	Public domain	Acquired		Total	Land	Inland water
1802...	200.0	1975...	760.4	702.9	57.5	Aggregate .....	1,837.8	1,804.7	33.1
1850...	1,200.0	1976...	762.2	702.8	59.4	1781-1802 (State Cessions) .....	236.8	233.4	3.4
1880...	900.0	1977...	741.5	683.3	58.2	1803, Louisiana Purchase <sup>2</sup> .....	529.9	523.4	6.5
1912...	600.0	1978...	775.2	712.0	63.3	1819, Cession from Spain .....	46.1	43.3	2.8
1946...	413.0	1979...	744.1	684.3	59.8	Red River Basin <sup>3</sup> .....	29.6	29.1	0.5
1950...	412.0	1980...	719.5	648.0	71.5	1846, Oregon Compromise .....	183.4	180.6	2.7
1955...	407.9	1981...	730.8	666.7	62.2	1848, Mexican Cession <sup>2</sup> .....	338.7	334.5	4.2
1959...	768.6	1982...	729.8	670.0	59.8	1850, Purchase from Texas .....	78.9	78.8	0.1
1960...	771.5	1983...	732.0	672.4	59.6	1853, Gadsden Purchase .....	19.0	19.0	(Z)
1965...	765.8	1984...	726.6	658.9	67.7	1867, Alaska Purchase .....	375.3	362.5	12.8
1970...	761.3	1985...	726.7	656.2	70.5				
1971...	760.2	1986...	727.1	662.7	64.4				
1972...	760.7	1987...	724.3	661.0	63.3				
1973...	761.0	1988...	668.2	623.2	65.0				
1974...	760.5	1989...	662.2	597.9	64.3				

Z Less than 50,000. <sup>1</sup> Owned by Federal Government. Comprises original public domain plus acquired lands. Estimated from imperfect data available for indicated years. Prior to 1959, excludes Alaska, and 1960, Hawaii. Source: Beginning 1955, U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout the World*, annual.

<sup>2</sup> Data for Louisiana Purchase exclude areas eliminated by Treaty of 1819 with Spain. Such areas are included in figures for Mexican Cession. <sup>3</sup> Represents drainage basin of Red River of the North, south of 49th parallel. Authorities differ as to method and date of its acquisition. Some hold it as part of the Louisiana Purchase; others, as acquired from Great Britain.

Source: Except as noted, U.S. Dept. of the Interior. Estimated area, Bureau of Land Management; all other data, Office of the Secretary, *Areas of Acquisitions to the Territory of the U.S.*, 1922.

## No. 343. Total and Federally Owned Land, 1960 to 1989, and by State, 1989

[As of end of fiscal year; see text, section 9. Total land area figures are not comparable with those in table 340]

REGION, DIVISION AND STATE	Total (1,000 acres)	Not owned by Federal Govern- ment (1,000 acres)	OWNED BY FEDERAL GOVERN- MENT <sup>1</sup>		REGION, DIVISION AND STATE	Total (1,000 acres)	Not owned by Federal Govern- ment (1,000 acres)	OWNED BY FEDERAL GOVERN- MENT <sup>1</sup>	
			Acres (1,000)	Per- cent				Acres (1,000)	Per- cent
1960...	2,273,407	1,501,894	771,512	33.9	South...	561,238	531,149	30,090	5.4
1965...	2,271,343	1,505,546	765,797	33.7	S.A...	171,325	159,847	11,478	6.7
1970...	2,271,343	1,510,042	761,301	33.5	DE...	1,266	1,236	30	2.4
1975...	2,271,343	1,510,929	760,414	33.5	MD...	6,319	6,122	197	3.1
1980...	2,271,343	1,551,822	719,522	31.7	DC...	39	28	11	27.8
1985...	2,271,343	1,544,658	726,686	32.0	VA...	25,496	23,578	1,918	7.5
1987...	2,271,343	1,547,277	724,066	31.9	WV...	15,411	13,311	2,099	13.6
1988...	2,271,343	1,583,090	688,253	30.3	NC...	31,403	30,262	1,141	3.6
1989, total.	2,271,343	1,609,185	662,158	29.2	SC...	19,374	18,940	434	2.2
Northeast...	104,699	102,337	2,363	2.3	GA...	37,295	35,003	2,292	6.1
N.E...	40,401	39,037	1,363	3.4	FL...	34,721	31,366	3,356	9.7
ME...	19,848	19,695	153	0.8	E.S.C...	115,141	110,207	4,934	4.3
NH...	5,769	5,015	754	13.1	KY...	25,512	24,121	1,391	5.5
VT...	5,937	5,582	355	6.0	TN...	26,728	25,406	1,322	4.9
MA...	5,035	4,952	83	1.6	AL...	32,678	32,129	550	1.7
RI...	677	672	5	0.7	MS...	30,223	28,552	1,671	5.5
CT...	3,135	3,121	14	0.4	W.S.C...	274,773	261,095	13,678	5.0
M.A...	64,299	63,299	1,000	1.6	AR...	33,599	30,178	3,421	10.2
NY...	30,681	30,458	223	0.7	LA...	28,868	22,330	6,538	22.6
N.J...	4,814	4,678	136	2.8	OK...	44,088	43,214	874	2.0
PA...	28,804	28,164	641	2.2	TX...	168,218	165,373	2,845	1.7
Midwest...	482,870	465,421	17,449	3.6	West...	1,122,535	510,279	612,257	54.5
E.N.C...	156,679	149,923	6,756	4.3	Mt...	548,449	287,756	260,693	47.5
OH...	26,222	25,900	322	1.2	ID...	93,271	67,409	25,863	27.7
IN...	23,158	22,689	470	2.0	WY...	52,933	19,811	33,122	62.6
IL...	35,795	35,301	494	1.4	CO...	62,343	31,936	30,407	48.8
MI...	36,492	32,927	3,565	9.8	N.M...	66,486	43,838	22,648	34.1
WI...	35,011	33,105	1,906	5.4	AZ...	77,766	52,019	25,747	33.1
W.N.C...	326,191	315,498	10,693	3.3	UT...	72,688	41,197	31,491	43.3
MN...	51,206	48,819	2,387	4.7	UT...	52,697	19,086	33,611	63.8
IA...	35,860	35,701	159	0.4	N.V...	70,264	12,461	57,803	82.3
MO...	44,248	42,218	2,031	4.6	WA...	42,694	30,321	12,373	29.0
ND...	44,453	42,488	1,965	4.4	OR...	61,599	31,930	29,669	48.2
SD...	48,882	46,138	2,744	5.6	CA...	100,207	39,164	61,043	60.9
NE...	49,032	48,313	719	1.5	AK...	365,482	117,679	247,802	67.8
KS...	52,511	51,821	690	1.3	HI...	4,106	3,429	677	16.5

<sup>1</sup> Excludes trust properties.

Source: U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout the World*, annual.

## No. 344. Land Cover/Use, by State: 1987

[In thousands of acres. Excludes Alaska and District of Columbia]

STATE	Total surface area <sup>1</sup>	Federal land	NONFEDERAL LAND							
			Total		Developed <sup>2</sup>		Rural			
			Total	Crop-land	Pasture-land	Range-land	Forest-land	Minor cover/use		
United States . . . . .	1,937,726	404,069	1,464,156	77,305	1,406,851	422,416	129,021	401,685	393,904	59,826
Northeast . . . . .	108,080	2,392	100,778	9,611	91,166	14,532	7,869	-	64,246	4,720
New England . . . . .	42,670	1,332	38,609	3,005	35,804	2,311	1,248	-	30,307	1,739
Maine . . . . .	21,290	161	19,517	508	19,009	943	419	-	16,933	714
New Hampshire . . . . .	5,938	729	4,971	372	4,599	163	115	-	4,052	269
Vermont . . . . .	6,153	335	5,556	208	5,348	653	388	-	4,184	122
Massachusetts . . . . .	5,302	89	4,849	1,063	3,786	291	179	-	2,937	379
Rhode Island . . . . .	776	4	661	161	500	22	37	-	404	37
Connecticut . . . . .	3,212	14	3,056	693	2,362	239	110	-	1,797	218
Middle Atlantic . . . . .	65,410	1,060	62,168	6,606	55,562	12,221	6,422	-	33,939	2,981
New York . . . . .	31,429	234	29,782	2,485	27,297	5,774	3,686	-	16,650	1,187
New Jersey . . . . .	4,984	148	4,563	1,325	3,239	673	229	-	1,890	447
Pennsylvania . . . . .	28,897	677	27,823	2,796	25,027	5,774	2,507	-	15,398	1,348
Midwest . . . . .	490,474	17,883	460,128	23,789	436,339	233,455	40,718	71,859	71,637	18,670
East North Central . . . . .	159,066	6,269	146,602	12,388	136,233	72,743	12,982	-	42,482	8,027
Ohio . . . . .	26,451	347	25,686	2,925	22,762	12,537	2,444	-	6,426	1,354
Indiana . . . . .	23,159	487	22,302	1,780	20,522	13,930	2,073	-	3,698	821
Illinois . . . . .	36,061	492	34,792	2,792	32,000	25,121	2,689	-	3,447	744
Michigan . . . . .	37,457	3,130	33,051	2,921	30,130	9,484	2,735	-	15,483	2,429
Wisconsin . . . . .	35,938	1,813	32,770	1,951	30,820	11,671	3,041	-	13,428	2,680
West North Central . . . . .	331,408	11,615	311,527	11,421	300,105	160,713	27,736	71,859	29,155	10,643
Minnesota . . . . .	54,017	3,390	47,077	2,136	44,941	22,990	3,425	157	13,952	4,417
Iowa . . . . .	36,016	172	35,387	1,688	33,699	27,031	3,866	-	1,841	961
Missouri . . . . .	44,606	2,060	41,655	2,165	39,491	15,090	12,606	56	10,959	781
North Dakota . . . . .	45,250	1,882	42,255	1,242	41,013	28,064	1,206	9,933	428	1,382
South Dakota . . . . .	49,354	2,873	45,467	1,064	44,403	17,819	2,354	22,152	565	1,513
Nebraska . . . . .	49,507	652	48,218	1,250	46,967	20,601	1,957	22,900	728	782
Kansas . . . . .	52,658	587	51,467	1,876	49,592	29,119	2,324	16,660	681	808
South . . . . .	575,044	26,391	527,041	30,657	496,384	107,532	67,937	113,837	189,507	17,571
South Atlantic . . . . .	178,469	12,757	156,196	13,346	142,849	26,495	16,165	3,592	88,408	8,190
Delaware . . . . .	1,309	33	1,213	165	1,048	521	30	-	357	141
Maryland . . . . .	6,695	159	6,048	936	5,111	1,795	514	-	2,415	388
Virginia . . . . .	26,091	2,368	22,812	1,663	21,150	3,309	3,315	-	13,622	904
West Virginia . . . . .	15,508	1,116	14,227	532	13,695	1,053	1,892	-	10,466	284
North Carolina . . . . .	33,708	2,309	28,622	2,487	26,135	6,548	1,992	-	16,528	1,067
South Carolina . . . . .	19,912	1,340	17,785	1,422	16,363	3,371	1,177	-	11,073	742
Georgia . . . . .	37,702	2,062	34,664	2,375	32,289	6,307	3,040	-	21,860	1,083
Florida . . . . .	37,545	3,369	30,825	3,766	27,059	3,592	4,205	3,592	12,088	3,583
East South Central . . . . .	116,446	5,116	108,068	5,705	102,363	22,870	18,493	96	58,115	2,789
Kentucky . . . . .	25,862	1,169	24,023	1,224	22,779	5,818	5,955	-	10,054	972
Tennessee . . . . .	26,972	1,369	24,759	1,669	23,090	5,765	5,019	-	11,601	706
Alabama . . . . .	33,091	904	31,230	1,640	29,591	4,210	3,595	96	21,017	673
Mississippi . . . . .	30,521	1,674	28,056	1,172	26,884	7,078	3,924	-	15,443	439
West South Central . . . . .	280,129	8,518	262,778	11,606	251,172	58,167	33,279	110,149	42,584	6,593
Arkansas . . . . .	34,040	3,129	29,904	1,232	28,672	8,182	5,678	164	14,268	380
Louisiana . . . . .	30,561	1,174	26,472	1,455	25,016	6,484	2,276	234	12,736	3,286
Oklahoma . . . . .	44,772	1,176	42,431	1,716	40,715	11,557	7,590	14,546	6,505	517
Texas . . . . .	170,756	3,040	163,971	7,203	156,768	31,944	17,735	95,204	9,476	2,410
West . . . . .	764,128	357,403	396,209	13,247	382,962	66,896	12,697	215,589	68,514	18,865
Mountain . . . . .	552,680	266,171	280,033	5,964	274,069	44,235	7,828	182,653	27,532	11,822
Montana . . . . .	94,109	27,074	65,682	999	64,682	17,881	3,169	36,769	5,253	1,611
Idaho . . . . .	53,481	33,190	19,628	477	19,152	6,532	1,354	6,596	4,071	600
Wyoming . . . . .	62,598	29,457	32,576	501	32,075	2,362	926	26,784	984	1,017
Colorado . . . . .	66,618	23,833	42,320	1,375	40,945	10,967	1,266	23,427	4,079	1,207
New Mexico . . . . .	77,819	26,423	51,144	698	50,445	2,297	186	40,782	4,685	2,496
Arizona . . . . .	72,960	30,647	41,994	1,116	40,878	1,306	81	31,867	4,912	2,712
Utah . . . . .	54,336	35,476	16,440	465	15,975	2,002	563	8,507	3,194	1,711
Nevada . . . . .	70,759	60,071	10,250	333	9,916	889	282	7,921	356	469
Pacific . . . . .	211,446	91,232	116,176	7,283	108,893	22,862	4,869	33,337	40,982	7,043
Washington . . . . .	43,608	12,471	29,947	1,564	28,383	7,758	1,421	5,574	12,634	997
Oregon . . . . .	62,127	32,305	28,918	941	27,977	4,348	1,916	9,152	11,857	705
California . . . . .	101,572	46,014	53,654	4,621	49,033	10,209	1,501	17,719	15,073	4,531
Hawaii . . . . .	4,141	443	3,657	157	3,500	348	31	891	1,419	811

- Represents zero. <sup>1</sup> Includes water area not shown separately. <sup>2</sup> Includes urban and built-up areas in units of 10 acres or greater, and rural transportation.

Source: U.S. Dept. of Agriculture, Soil Conservation Service, and Iowa State University, Statistical Laboratory; Statistical Bulletin No. 790, Summary Report, 1987 National Resources Inventory, December 1989.

## No. 345. Extreme and Mean Elevations States and Other Areas

[1 foot = .305 meter]

STATE OR OTHER AREA	HIGHEST POINT			LOWEST POINT			APPROXIMATE MEAN ELEVATION	
	Name	Elevation		Name	Elevation		Feet	Meters
		Feet	Meters		Feet	Meters		
U.S. ....	Mt. McKinley (AK) .....	20,320	6,198	Death Valley (CA) .....	-282	-86	2,500	763
AL.....	Cheaha Mountain .....	2,405	733	Gulf of Mexico .....	( <sup>1</sup> )	( <sup>1</sup> )	500	153
AK.....	Mount McKinley .....	20,320	6,198	Pacific Ocean .....	( <sup>1</sup> )	( <sup>1</sup> )	1,900	580
AZ.....	Humphreys Peak .....	12,633	3,853	Colorado River .....	70	21	4,100	1,251
AR.....	Magazine Mountain .....	2,753	840	Quachita River .....	55	17	650	198
CA.....	Mount Whitney .....	14,494	4,419	Death Valley .....	-282	-86	2,900	885
CO.....	Mt. Elbert .....	14,433	4,402	Arkansas River .....	3,350	1,022	6,800	2,074
CT.....	Mt. Frissell on South slope .....	2,380	726	Long Island Sound .....	( <sup>1</sup> )	( <sup>1</sup> )	500	153
DE.....	Ebright Road, New Castle County .....	442	135	Atlantic Ocean .....	( <sup>1</sup> )	( <sup>1</sup> )	60	18
DC.....	Tenleytown, Sec. 30, T6N, R20W, Walton County .....	410	125	Potomac River .....	( <sup>1</sup> )	( <sup>2</sup> )	150	46
FL.....	Brasstown Bald .....	345	105	Atlantic Ocean .....	( <sup>1</sup> )	( <sup>1</sup> )	100	31
GA.....	Puu Wekiu .....	4,784	1,459	Atlantic Ocean .....	( <sup>1</sup> )	( <sup>1</sup> )	600	183
HI.....	Charles Mound .....	13,796	4,208	Pacific Ocean .....	( <sup>1</sup> )	( <sup>1</sup> )	3,030	924
ID.....	Borah Peak .....	12,662	3,862	Snake River .....	710	217	5,000	1,525
IL.....	Franklin Twp., Wayne Co. Sec. 29, T100N, R41W, Osceola County <sup>2</sup> .....	1,235	377	Mississippi River .....	279	85	600	183
IN.....	Driskill Mountain .....	1,257	383	Ohio River .....	320	98	700	214
IA.....	Mount Katahdin .....	1,670	509	Mississippi River .....	480	146	1,100	336
KS.....	Mount Sunflower .....	4,039	1,232	Verdigris River .....	679	207	2,000	610
KY.....	Black Mountain .....	4,139	1,262	Mississippi River .....	257	78	750	229
LA.....	Mount Greylock .....	535	163	New Orleans .....	-8	-2	100	31
ME.....	Mount Katahdin .....	5,267	1,606	Atlantic Ocean .....	( <sup>1</sup> )	( <sup>1</sup> )	600	183
MD.....	Backbone Mountain .....	3,360	1,025	Atlantic Ocean .....	( <sup>1</sup> )	( <sup>1</sup> )	350	107
MA.....	Mount Greylock .....	3,487	1,064	Atlantic Ocean .....	( <sup>1</sup> )	( <sup>1</sup> )	500	153
MI.....	Mount Arvon .....	1,979	604	Lake Erie .....	571	174	900	275
MN.....	Eagle Mountain, Cook Co. .....	2,301	702	Lake Superior .....	600	183	1,200	366
MS.....	Woodall Mountain .....	806	246	Gulf of Mexico .....	( <sup>1</sup> )	( <sup>1</sup> )	300	92
MO.....	Taum Sauk Mountain .....	1,772	540	St. Francis River .....	230	70	800	244
MT.....	Granite Peak .....	12,799	3,904	Kootenai River .....	1,800	549	3,400	1,037
NE.....	Johnson Twp., Kimball Co. .....	5,424	1,654	Missouri River .....	840	256	2,600	793
NV.....	Boundary Peak .....	13,140	4,007	Colorado River .....	479	146	5,500	1,678
NH.....	Mount Washington .....	6,288	1,918	Atlantic Ocean .....	( <sup>1</sup> )	( <sup>1</sup> )	1,000	305
NJ.....	High Point .....	1,803	550	Atlantic Ocean .....	( <sup>1</sup> )	( <sup>1</sup> )	250	76
NM.....	Wheeler Peak .....	13,161	4,014	Red Bluff Reservoir .....	2,842	867	5,700	1,739
NY.....	Mount Marcy .....	5,344	1,630	Atlantic Ocean .....	( <sup>1</sup> )	( <sup>1</sup> )	1,000	305
NC.....	Mount Mitchell .....	6,684	2,039	Atlantic Ocean .....	( <sup>1</sup> )	( <sup>1</sup> )	700	214
ND.....	White Butte, Slope Co. .....	3,506	1,069	Red River .....	750	229	1,900	580
OH.....	Campbell Hill .....	1,549	472	Ohio River .....	455	139	850	259
OK.....	Black Mesa .....	4,973	1,517	Little River .....	289	88	1,300	397
OR.....	Mount Hood .....	11,239	3,428	Pacific Ocean .....	( <sup>1</sup> )	( <sup>1</sup> )	3,900	1,007
PA.....	Mount Davis .....	3,213	980	Delaware River .....	( <sup>1</sup> )	( <sup>1</sup> )	1,100	336
RI.....	Jerimoth Hill .....	812	248	Atlantic Ocean .....	( <sup>1</sup> )	( <sup>1</sup> )	200	61
SC.....	Sassafras Mountain .....	3,560	1,086	Atlantic Ocean .....	( <sup>1</sup> )	( <sup>1</sup> )	350	107
SD.....	Harney Peak .....	7,242	2,209	Big Stone Lake .....	966	295	2,200	671
TN.....	Clingmans Dome .....	6,643	2,026	Mississippi River .....	178	54	900	275
TX.....	Guadalupe Peak .....	8,749	2,668	Gulf of Mexico .....	( <sup>1</sup> )	( <sup>1</sup> )	1,700	519
UT.....	Kings Peak .....	13,528	4,268	Beaverdam Wash .....	2,000	610	8,100	1,861
VT.....	Mount Mansfield .....	4,393	1,340	Lake Champlain .....	95	28	1,000	305
VA.....	Mount Rogers .....	5,729	1,747	Atlantic Ocean .....	( <sup>1</sup> )	( <sup>1</sup> )	950	290
WA.....	Mount Rainier .....	14,410	4,395	Pacific Ocean .....	( <sup>1</sup> )	( <sup>1</sup> )	1,700	519
WV.....	Spruce Knob .....	4,861	1,483	Potomac River .....	240	73	1,500	458
WI.....	Timms Hill .....	1,951	595	Lake Michigan .....	579	177	1,050	320
WY.....	Gannett Peak .....	13,804	4,210	Belle Fourche River .....	3,099	945	6,700	2,044
Other areas:								
Puerto Rico .....	Cerro de Punta .....	4,390	1,339	Atlantic Ocean .....	( <sup>1</sup> )	( <sup>1</sup> )	1,800	549
American Samoa .....	Lata Mountain .....	3,160	964	Pacific Ocean .....	( <sup>1</sup> )	( <sup>1</sup> )	1,300	397
Guam .....	Mount Lamlam .....	1,332	406	Pacific Ocean .....	( <sup>1</sup> )	( <sup>1</sup> )	330	101
Virgin Is. ....	Crown Mountain .....	1,556	475	Atlantic Ocean .....	( <sup>1</sup> )	( <sup>1</sup> )	750	229

Z Less than 0.5 meter. <sup>1</sup> Sea level. <sup>2</sup> "Sec." denotes section; "T," township; "R," range; "N," north; "W," west.Source: U.S. Geological Survey, for highest and lowest points, *Elevations and Distances in the United States, 1990*; for mean elevations, 1983 edition.

**No. 346. Flows of Largest U.S. Rivers—Length, Discharge, and Drainage Area**

RIVER	Location of mouth	Source stream (name and location)	Length (miles) <sup>1</sup>	Average discharge at mouth (1,000 cubic ft. per second)	Drainage area (1,000 sq. mi.)
Mississippi . . . . .	Louisiana . . . . .	Mississippi River, MN . . . . .	2,340	593	51,150
St. Lawrence . . . . .	Canada . . . . .	North River, MN . . . . .	1,900	348	5,396
Ohio . . . . .	Illinois-Kentucky . . . . .	Allegheny River, PA . . . . .	1,310	281	203
Columbia . . . . .	Oregon-Washington . . . . .	Columbia River, Canada . . . . .	1,240	265	5,250
Yukon . . . . .	Alaska . . . . .	McNeil River, Canada . . . . .	1,980	225	5,328
Missouri . . . . .	Missouri . . . . .	Red Rock Creek, MT . . . . .	2,540	76.2	5,529
Tennessee . . . . .	Kentucky . . . . .	Courthouse Creek, NC . . . . .	886	68	40.9
Mobile . . . . .	Alabama . . . . .	Tickanetley Creek, GA . . . . .	774	67.2	44.6
Kuskokwim . . . . .	Alaska . . . . .	South Fork Kuskokwim River, AK . . . . .	724	67	48
Copper . . . . .	Alaska . . . . .	Copper River, AK . . . . .	286	59	24.4
Atchafalaya <sup>5</sup> . . . . .	Louisiana . . . . .	Tierra Blanca Creek, NM . . . . .	1,420	58	95.1
Snake . . . . .	Washington . . . . .	Snake River, WY . . . . .	1,040	56.9	108
Red . . . . .	Louisiana . . . . .	Tierra Blanca Creek, NM . . . . .	1,290	56	93.2
Stikine . . . . .	Alaska . . . . .	Stikine River, Canada . . . . .	379	56	520
Susitna . . . . .	Alaska . . . . .	Susitna River, AK . . . . .	313	51	20
Tanana . . . . .	Alaska . . . . .	Nabesna River, AK . . . . .	659	41	44.5
Arkansas . . . . .	Arkansas . . . . .	East Fork Arkansas River, CO . . . . .	1,460	41	161
Susquehanna . . . . .	Maryland . . . . .	Hayden Creek, NY . . . . .	447	38.2	27.2
Willamette . . . . .	Oregon . . . . .	Middle Fork Willamette River, OR . . . . .	309	37.4	11.4
Nushagak . . . . .	Alaska . . . . .	Nushagak River, AK . . . . .	285	36	13.4
Alabama . . . . .	Alabama . . . . .	Tickanetley Creek, GA . . . . .	729	34.6	22.8
Wabash . . . . .	Indiana-Illinois . . . . .	Wabash River, OH . . . . .	512	31	32.9
White . . . . .	Arkansas . . . . .	White River, AR . . . . .	722	30.5	27.8
Pend Oreille . . . . .	Canada . . . . .	Blacktail Creek, MT . . . . .	531	30.4	526.3
Alsek . . . . .	Alaska . . . . .	Aishihik River, Canada . . . . .	290	30	510.7

<sup>1</sup> From source to mouth. <sup>2</sup> The length from the source of the Missouri River to the Mississippi River and thence to the Gulf of Mexico is about 3,710 miles. <sup>3</sup> Includes about 167,000 cubic ft. per second diverted from the Mississippi into the Atchafalaya River, but excludes the flow of the Red River. <sup>4</sup> Excludes the drainage areas of the Red and Atchafalaya Rivers.

<sup>5</sup> Drainage area includes both the U.S. and Canada. <sup>6</sup> In east-central Louisiana, the Red River flows into the Atchafalaya River, a distributary of the Mississippi River. Data on average discharge, length, and drainage area include the Red River, but exclude all water diverted into the Atchafalaya from the Mississippi River.

Source: U.S. Geological Survey, *Largest Rivers in the United States, Open File Report 87-242*, August 1987.

**No. 347. Water Area, Other Than Inland Water—States**

[Includes only that portion of body of water under the jurisdiction of the United States, excluding Alaska and Hawaii. Excludes inland waters; see footnote 2, table 1. One square mile = 2.59 square kilometers]

BODY OF WATER	AREA		BODY OF WATER	AREA	
	Sq. mi.	Sq. km.		Sq. mi.	Sq. km.
<b>Total . . . . .</b>	<b>74,364</b>	<b>192,603</b>	Gulf of Mexico coastal water . . . . .	3,837	9,938
Atlantic coastal water . . . . .	2,298	5,952	Alabama . . . . .	560	1,450
Florida . . . . .	37	96	Florida . . . . .	1,698	4,398
Georgia . . . . .	48	124	Louisiana . . . . .	1,016	2,631
Maine . . . . .	1,102	2,854	Mississippi . . . . .	556	1,440
Massachusetts . . . . .	959	2,484	Texas . . . . .	7	18
Rhode Island . . . . .	14	36	Lake Michigan . . . . .	22,178	57,441
South Carolina . . . . .	138	357	Illinois . . . . .	1,526	3,952
Chesapeake Bay . . . . .	3,237	8,384	Indiana . . . . .	228	591
Maryland . . . . .	1,726	4,470	Michigan . . . . .	13,037	33,766
Virginia . . . . .	1,511	3,913	Wisconsin . . . . .	7,387	19,132
Delaware Bay . . . . .	665	1,722	New York Harbor . . . . .	92	238
Delaware . . . . .	350	907	New Jersey . . . . .	69	179
New Jersey . . . . .	315	816	New York . . . . .	23	60
Lake Erie . . . . .	5,002	12,955	Lake Ontario: New York . . . . .	3,033	78
Michigan . . . . .	216	559	Pacific coastal water . . . . .	343	888
New York . . . . .	594	1,538	California . . . . .	69	179
Ohio . . . . .	3,457	8,954	Oregon . . . . .	48	124
Pennsylvania . . . . .	735	1,904	Washington . . . . .	226	585
Straits of Georgia and Juan de Fuca:			Puget Sound: Washington . . . . .	561	1,453
Washington . . . . .	1,610	4,170	Lake St. Clair: Michigan . . . . .	116	300
Lake Huron: Michigan . . . . .	8,975	23,245	Lake Superior . . . . .	21,118	54,696
Long Island Sound . . . . .	1,298	3,364	Michigan . . . . .	16,231	42,038
Connecticut . . . . .	573	1,484	Minnesota . . . . .	2,212	5,729
New York . . . . .	726	1,880	Wisconsin . . . . .	2,675	6,928

Source: U.S. Bureau of the Census, *Areas of the United States: 1940*.

# Water Withdrawals and Consumptive Use

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## No. 348. Water Withdrawals and Consumptive Use—States and Other Areas: 1985

[In millions of gallons per day, except as noted. Figures may not add due to rounding. Withdrawal signifies water physically withdrawn from a source. Includes fresh and saline water]

STATE OR OTHER AREA	WATER WITHDRAWN							Con- sumptive use, <sup>4</sup> fresh water
	Total <sup>1</sup>	Per capita (gal. per day) fresh	Source		Selected major uses			
			Ground water	Surface water	Irrigation	Public supply <sup>2</sup>	Indus- trial <sup>3</sup>	Thermo- electric
<b>United States . . . . .</b>	<b>399,000</b>	<b>1,400</b>	<b>74,000</b>	<b>325,000</b>	<b>137,000</b>	<b>39,900</b>	<b>29,300</b>	<b>187,000</b>
Alabama . . . . .	8,600	2,140	347	8,250	69	654	851	6,920
Alaska . . . . .	406	727	72	334	-	86	133	30
Arizona . . . . .	6,430	1,960	3,100	3,330	5,520	645	133	58
Arkansas . . . . .	5,910	2,500	2,810	2,100	3,670	317	175	1,090
California . . . . .	49,700	1,420	15,100	34,600	30,600	5,450	1,160	12,200
Colorado . . . . .	13,600	4,190	2,340	11,200	12,400	754	211	110
Connecticut . . . . .	3,780	375	144	3,640	3	401	147	3,210
Delaware . . . . .	1,650	222	79	1,580	27	87	410	1,200
District of Columbia . . . . .	348	556	-	348	-	218	-	130
Florida . . . . .	17,000	554	4,050	13,000	2,910	1,940	679	11,400
Georgia . . . . .	5,450	899	1,000	4,440	453	935	656	3,330
Hawaii . . . . .	2,150	1,100	655	1,490	906	215	20	970
Idaho . . . . .	22,300	22,200	4,800	17,500	20,600	301	334	-
Illinois . . . . .	14,500	1,250	968	13,500	71	1,910	639	11,700
Indiana . . . . .	8,030	1,470	635	7,400	47	714	2,750	4,480
Iowa . . . . .	2,770	960	671	2,090	67	415	280	1,810
Kansas . . . . .	5,670	2,310	4,800	866	4,730	358	95	4,710
Kentucky . . . . .	4,200	1,130	205	3,990	8	451	266	3,410
Louisiana . . . . .	10,400	2,210	1,440	8,980	1,480	675	2,100	5,960
Maine . . . . .	1,520	733	66	1,460	2	127	250	1,070
Maryland . . . . .	6,710	321	219	6,490	34	834	371	5,429
Massachusetts . . . . .	9,660	1,070	315	9,340	16	802	153	8,450
Michigan . . . . .	11,400	1,270	600	10,800	210	1,370	1,380	8,390
Minnesota . . . . .	2,830	676	685	2,150	209	604	457	1,470
Mississippi . . . . .	2,510	885	1,580	933	886	328	236	670
Missouri . . . . .	6,110	1,210	640	5,470	306	699	116	4,930
Montana . . . . .	8,650	10,500	203	8,450	8,300	174	60	67
Nebraska . . . . .	10,000	6,250	5,590	4,450	7,270	272	167	2,210
Nevada . . . . .	3,740	3,860	908	2,830	3,350	300	35	23
New Hampshire . . . . .	694	688	84	810	1	111	239	543
New Jersey . . . . .	6,940	307	668	6,270	132	1,110	1,140	4,550
New Mexico . . . . .	3,280	2,320	1,510	1,780	2,820	264	83	59
New York . . . . .	15,200	508	1,100	14,100	38	3,050	1,080	10,900
North Carolina . . . . .	8,760	1,260	435	8,320	132	764	539	7,270
North Dakota . . . . .	1,160	1,690	127	1,040	154	84	13	892
Ohio . . . . .	12,700	1,180	730	12,000	17	1,560	540	10,500
Oklahoma . . . . .	1,270	386	568	707	445	547	113	134
Oregon . . . . .	6,540	2,450	660	5,880	5,710	496	301	12
Pennsylvania . . . . .	14,300	1,210	799	13,500	11	1,780	2,210	10,200
Rhode Island . . . . .	409	152	27	381	3	122	20	261
South Carolina . . . . .	6,820	2,040	214	6,610	34	421	1,130	5,190
South Dakota . . . . .	675	956	249	425	460	96	49	361
Tennessee . . . . .	8,450	1,770	444	8,010	9	697	1,610	6,060
Texas . . . . .	25,300	1,230	7,410	17,900	8,120	3,100	2,760	11,000
Utah . . . . .	4,320	2,540	815	3,500	3,590	453	213	2,130
Vermont . . . . .	126	235	37	89	1	65	55	1
Virginia . . . . .	7,250	853	341	6,910	52	691	673	5,760
Washington . . . . .	7,030	1,600	1,220	5,810	4,940	1,050	559	427
West Virginia . . . . .	5,440	2,810	227	5,210	4	172	1,030	4,210
Wisconsin . . . . .	6,740	1,400	570	6,170	84	659	461	5,440
Wyoming . . . . .	6,220	12,200	526	5,700	5,660	111	184	236
Puerto Rico . . . . .	2,600	176	175	2,430	157	409	18	2,010
Virgin Islands . . . . .	124	68	2	123	-	6	14	103

<sup>1</sup> Represents zero. <sup>2</sup> Includes self-supplied withdrawals for commercial use (1.2 mil. gallons) and livestock (4.4 mil. gallons) that are not shown separately under "major uses." <sup>3</sup> Includes domestic withdrawals for normal household purposes.

<sup>4</sup> Includes water used in mining. <sup>5</sup> Water that has been evaporated, transpired, or incorporated into products, plant or animal tissue; and therefore, is not available for immediate reuse.

Source: U.S. Geological Survey, *Estimated Use of Water in the United States in 1985*, circular 1004.

**No. 349. U.S. Water Withdrawals and Consumptive Use Per Day, by End Use:  
1940 to 1985**

[Includes Puerto Rico. Withdrawal signifies water physically withdrawn from a source. Includes fresh and saline water; excludes water used for hydroelectric power. See also *Historical Statistics, Colonial Times to 1970*, series J 92-103]

YEAR	Total (bil. gal.)	Per capita <sup>1</sup> (gal.)	Irrigation (bil. gal.)	PUBLIC SUPPLY <sup>2</sup>		Rural <sup>4</sup> (bil. gal.)	Industrial and misc. <sup>5</sup> (bil. gal.)	Steam electric utilities (bil. gal.)
				Total (bil. gal.)	Per capita <sup>3</sup> (gal.)			
<b>WITHDRAWALS</b>								
1940.....	140	1,027	71	10	75	3.1	29	23
1950.....	180	1,185	89	14	145	3.6	37	40
1955.....	240	1,454	110	17	148	3.6	39	72
1960.....	270	1,500	110	21	151	3.6	38	100
1965.....	310	1,602	120	24	155	4.0	46	130
1970.....	370	1,815	130	27	166	4.5	47	170
1975.....	420	1,972	140	29	168	4.9	45	200
1980.....	450	1,953	150	34	183	5.6	45	210
1985.....	400	1,650	140	38	189	7.8	30	190
<b>CONSUMPTIVE USE</b>								
1960.....	61	339	52	3.5	25	2.8	3.0	0.2
1965.....	77	403	66	5.2	34	3.2	3.4	0.4
1970.....	87	427	73	5.9	36	3.4	4.1	0.8
1975.....	96	451	80	6.7	38	3.4	4.2	1.9
1980.....	100	440	83	7.1	38	3.9	5.0	3.2
1985.....	92	380	74	(*)	(*)	7.2	6.1	6.2

<sup>1</sup> Based on Bureau of the Census resident population as of July 1. <sup>2</sup> Includes commercial water withdrawals.

<sup>3</sup> Based on population served. <sup>4</sup> Rural farm and nonfarm household and garden use, and water for farm stock and dairies.

<sup>5</sup> For 1940 to 1960, includes manufacturing and mineral industries, rural commercial industries, air-conditioning, resorts, hotels, motels, military and other State and Federal agencies, and miscellaneous; thereafter, includes manufacturing, mining and mineral processing, ordnance, construction, and miscellaneous. <sup>6</sup> Public supply consumptive use included in end-use categories. <sup>7</sup> Included public supply consumptive use for domestic and commercial purposes.

Source: 1940-1960, U.S. Bureau of Domestic Business Development, based principally on committee prints, *Water Resources Activities in the United States*, for the Senate Committee on National Water Resources, U.S. Senate, thereafter, U.S. Geological Survey, *Estimated Use of Water in the United States in 1985*, circular 1004, and previous quinquennial issues.

**No. 350. National Ambient Water Quality in Rivers and Streams—Violation Rate:  
1980 to 1990**

[In percent. Violation level based on U.S. Environmental Protection Agency water quality criteria. Violation rate represents the proportion of all measurements of a specific water quality pollutant which exceeds the "violation level" for that pollutant. "Violation" does not necessarily imply a legal violation. Data based on U.S. Geological Survey's National Stream Quality Accounting Network (NASQAN) data system; for details, see source. Years refer to water years. A water year begins in Oct. and ends in Sept.  $\mu\text{g}$  = micrograms; mg = milligrams. For metric conversion, see page IX]

POLLUTANT	VIOLATION LEVEL	1980	1983	1984	1985	1986	1987	1988	1989	1990
Fecal coliform bacteria .....	Above 200 cells per 100 ml ..	31	34	30	28	24	23	22	30	26
Dissolved oxygen .....	Below 5 mg per liter .....	5	4	3	3	3	2	2	3	2
Phosphorus, total, as phosphorus .....	Above 1.0 mg per liter .....	4	3	4	3	3	3	4	2	3
Lead, dissolved .....	Above 50 $\mu\text{g}$ per liter .....	5	5	(Z)						
Cadmium, dissolved .....	Above 10 $\mu\text{g}$ per liter .....	1	1	(Z)						

Z Less than 1.

Source: U.S. Geological Survey, national-level data, unpublished; State-level data, *Water-Data Report*, annual series prepared in cooperation with the State governments.

**No. 351. Oil Polluting Incidents Reported in and Around U.S. Waters: 1973 to 1990**

YEAR	Incidents	Gallons	YEAR	Incidents	Gallons	
1973.....	11,054	15,289,188	1985.....		7,740	8,465,055
1974.....	12,083	15,739,792	1986.....		6,539	4,613,387
1975.....	10,998	21,528,444	1987.....		6,352	3,887,004
1976.....	11,066	18,517,384	1988.....		6,791	6,645,985
1977.....	10,979	8,188,398	1989.....		8,225	13,815,706
1978.....	12,174	11,035,890	1990, prel.		7,114	4,255,308
1979.....	11,556	10,051,271	Tankships		245	886,216
1980.....	9,886	12,636,848	Tank barges		409	2,514,025
1981.....	9,589	8,919,789	Other vessels		2,657	423,514
1982.....	9,416	10,404,646	Nonvessels		3,803	431,553
1983.....	10,530	8,378,719				
1984.....	10,089	19,007,332				

Source: U.S. Coast Guard. Based on unpublished data from the *Marine Safety Information System*, December 30, 1991.

**No. 352. National Ambient Air Pollutant Concentrations: 1982 to 1990**

[Data represent annual composite averages of pollutant based on daily 24-hour averages of monitoring stations, except carbon monoxide is based on the second-highest, non-overlapping, 8-hour average; ozone, average of the second-highest daily maximum one hour value; and lead, quarterly average of ambient lead levels. Based on data from the National Aerometric Data Bank.  $\mu\text{g}/\text{m}^3$ =micrograms of pollutant per cubic meter of air; ppm=parts per million]

POLLUTANT	UNIT	Monitoring stations, number	Air quality standard <sup>1</sup>	1982	1983	1984	1985	1986	1987	1988	1989	1990
Carbon monoxide . . . . .	ppm . . . . .	248	<sup>2</sup> 9	7.95	7.82	7.74	6.99	7.11	6.67	6.42	6.32	5.89
Ozone . . . . .	ppm . . . . .	388	3.12	0.125	0.137	0.125	0.123	0.119	0.125	0.136	0.116	0.114
Sulfur dioxide . . . . .	ppm . . . . .	374	.03	0.010	0.009	0.010	0.009	0.009	0.009	0.009	0.008	0.008
Total suspended particulates . . . . .	$\mu\text{g}/\text{m}^3$ . . . . .	1,750	75	48.7	48.4	49.9	47.7	47.6	48.6	49.7	48	47.3
Nitrogen dioxide . . . . .	ppm . . . . .	116	0.53	0.024	0.023	0.024	0.024	0.024	0.024	0.024	0.023	0.022
Lead . . . . .	$\mu\text{g}/\text{m}^3$ . . . . .	139	<sup>3</sup> 1.5	0.484	0.413	0.381	0.258	0.151	0.108	0.087	0.074	0.070

<sup>1</sup> Refers to the primary National Ambient Air Quality Standard that protects the public health. <sup>2</sup> Based on 8-hour standard of 9 ppm. <sup>3</sup> Based on 1-hour standard of .12 ppm. <sup>4</sup> Based on 3-month standard of 1.5  $\mu\text{g}/\text{m}^3$

Source: U.S. Environmental Protection Agency, *National Air Quality and Emissions Trends Report*, annual.

**No. 353. National Air Pollutant Emissions: 1940 to 1990**

[In millions of metric tons, except lead in thousands of metric tons. Metric ton=1.1023 short tons, PM=Particulate matter,  $\text{SO}_x$ =Sulfur oxides,  $\text{NO}_x$ =Nitrogen oxides, VOC=volatile organic compound, CO=Carbon monoxide, Pb=Lead. NA Not available]

YEAR	EMISSIONS						PERCENT CHANGE FROM PRIOR YEAR					
	PM	$\text{SO}_x$	$\text{NO}_x$	VOC	CO	Pb	PM	$\text{SO}_x$	$\text{NO}_x$	VOC	CO	Pb
1940. . . . .	23.1	17.6	6.9	15.2	82.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1950. . . . .	24.9	19.8	9.4	18.1	87.6	(NA)	7.8	12.5	36.2	19.1	6.1	(NA)
1960. . . . .	21.6	19.7	13.0	21.0	89.7	(NA)	-13.3	0.5	38.3	16.0	2.4	(NA)
1970. . . . .	18.5	28.3	18.5	25.0	101.4	203.8	-14.4	43.7	42.3	19.0	13.0	(NA)
1980. . . . .	8.5	23.4	20.9	21.1	79.6	70.6	-54.1	-17.3	13.0	-15.6	-21.5	-65.4
1981. . . . .	8.0	22.6	20.9	19.8	77.4	56.4	-5.9	-3.4	0.0	-6.2	-2.8	20.1
1982. . . . .	7.1	21.4	20.0	18.4	72.4	54.4	-11.3	-5.3	-4.3	-7.1	-6.5	-3.5
1983. . . . .	7.1	20.7	19.3	19.3	74.5	46.4	0.0	-3.3	3.5	4.9	2.9	-14.7
1984. . . . .	7.4	21.5	19.8	20.3	71.8	40.1	4.2	3.9	2.6	5.2	-3.6	-13.6
1985. . . . .	7.2	21.1	19.9	20.1	68.7	20.1	-2.7	-1.9	0.5	-1.0	-4.3	-49.9
1986. . . . .	6.7	20.9	19.1	19.0	63.2	8.4	-6.9	-0.9	4.0	-5.5	-8.0	-58.2
1987. . . . .	6.9	20.5	19.4	19.3	63.4	8.0	3.0	-1.9	1.6	1.6	0.3	-4.8
1988. . . . .	7.5	20.6	20.0	19.4	64.7	7.6	8.7	0.5	3.1	0.5	-2.1	-5.0
1989. . . . .	7.2	20.8	19.8	18.5	60.4	7.2	-4.0	1.0	-1.0	-4.6	-6.6	-5.3
1990. . . . .	7.5	21.2	19.6	18.7	60.1	7.1	4.2	1.9	-1.0	1.1	-0.5	-1.4

**No. 354. Air Pollutant Emissions, by Pollutant and Source: 1970 to 1990**

[In millions of metric tons, except lead in thousands of metric tons. Metric ton=1.1023 short tons]

YEAR AND POLLUTANT	Total emissions	CONTROLLABLE EMISSIONS					PERCENT OF TOTAL		
		Transportation		Fuel combustion <sup>1</sup>		Industrial processes			
		Total	Road vehicles	Total	Electric utilities	Misc. uncontrollable	Transportation	Fuel combustion <sup>1</sup>	Industrial
<b>1970:</b> Carbon monoxide . . . . .	101.4	74.4	65.3	4.5	0.2	8.9	6.4	7.2	73.4
Sulfur oxides . . . . .	28.4	0.6	0.3	21.3	15.8	6.4	0.1	2.1	75.0
Volatile organic compounds . . . . .	25.0	10.3	9.1	0.6	-	8.9	1.8	3.3	41.2
Particulates . . . . .	18.5	1.2	0.9	4.6	2.3	10.5	1.1	6.5	24.9
Nitrogen oxides . . . . .	18.5	8.0	6.3	9.1	4.4	0.7	0.4	0.3	43.2
Lead . . . . .	203.8	183.6	156.0	9.6	0.3	23.9	6.7	-	80.3
<b>1980:</b> Carbon monoxide . . . . .	79.6	56.1	48.7	7.4	0.3	6.3	2.2	7.6	70.5
Sulfur oxides . . . . .	23.4	0.9	0.4	18.7	15.5	3.8	-	0.0	3.8
Volatile organic compounds . . . . .	21.1	7.5	6.2	0.9	-	9.2	0.6	2.9	35.5
Particulates . . . . .	8.5	1.3	1.1	2.4	0.8	3.3	0.4	1.1	15.3
Nitrogen oxides . . . . .	20.9	9.8	7.9	10.1	6.4	0.7	0.1	0.2	46.9
Lead . . . . .	70.6	59.4	56.4	3.9	0.1	3.6	3.7	-	84.1
<b>1990:</b> Carbon monoxide . . . . .	60.1	37.6	30.3	7.5	0.3	4.7	1.7	8.6	62.6
Sulfur oxides . . . . .	21.2	0.9	0.6	17.1	14.2	3.1	-	4.2	80.7
Volatile organic compounds . . . . .	18.7	6.4	5.1	0.9	-	8.1	0.6	2.7	34.2
Particulates . . . . .	7.5	1.5	1.3	1.7	0.4	2.8	0.3	1.2	20.0
Nitrogen oxides . . . . .	19.6	7.5	5.6	11.2	7.3	0.6	0.1	0.3	38.3
Lead . . . . .	7.1	2.2	2.0	0.5	0.1	2.2	2.2	-	31.0

<sup>1</sup> Represents zero. <sup>1</sup> Stationary sources.

Source of tables 353 and 354: U.S. Environmental Protection Agency, *National Air Pollutant Emission Estimates, 1940-1990*, March 1992.

**No. 355. Metropolitan Areas Failing to Meet National Ambient Air Quality Standards for Carbon Monoxide—Number of Days Exceeding Standards: 1989 and 1990**

[Areas generally represent the officially defined metropolitan area, but may, in some cases, not have all the counties identified as part of the area; see *Federal Register*, 40 CFR, part 81, *Air Quality Designations: Final Rule*, Nov. 6, 1991. Nonattainment status was as of October 29, 1991.]

METROPOLITAN AREA	1989	1990	METROPOLITAN AREA	1989	1990	METROPOLITAN AREA	1989	1990
Albuquerque, NM	6	3	Hartford, CT CMSA	1	-	Phoenix, AZ	9	4
Anchorage, AK	3	12	Klamath County, OR	2	-	Portland, OR-WA CMSA	2	2
Baltimore, MD	-	1	Lake Tahoe S. Shore, CA	(NA)	5	Provo-Orem, UT	12	11
Boston, MA-NH CMSA	-	-	Las Vegas, NV	26	17	Raleigh-Durham, NC	2	2
Chico, CA	1	1	Longmont, CO	(NA)	-	Reno, NV	2	7
Cleveland, OH CMSA	1	-	Los Angeles, CA CMSA	72	47	Sacramento, CA	18	11
Colorado Springs, CO	1	-	Medford, OR	15	-	San Diego, CA	4	-
Denver-Boulder, CO CMSA	6	3	Memphis, TN-AR-MS	2	1	San Francisco, CA CMSA	6	2
Duluth, MN	2	-	Minneapolis-St. Paul	2	-	Seattle-Tacoma, WA CMSA	2	2
El Paso, TX	5	4	Missoula County, MT	2	1	Spokane, WA	11	6
Fairbanks, AK	3	2	Modesto, CA	8	2	Stockton, CA	4	2
Fort Collins, CO	1	-	New York, NY-NJ-CT CMSA	16	4	Syracuse, NY	2	1
Fresno, CA	13	1	Ogden, UT	(NA)	3	Washington, DC-MD-VA	1	-
Grant Pass, OR	(NA)	1	Philadelphia, PA-NJ-DE-MD CMSA	2	-			
Greensboro-Winston-Salem, NC	(NA)	-						

\* Represents zero. NA Not available. <sup>1</sup> Not a metropolitan area.

**No. 356. Metropolitan Areas Failing to Meet National Ambient Air Quality Standards for Ozone—Number of Days Exceeding Standards: 1988 to 1990**

[See headnote, table 355. Nonattainment status was as of October 29, 1991.]

METROPOLITAN AREA	1988-1990, avg.	1990	METROPOLITAN AREA	1988-1990, avg.	1990
Albany-Schenectady-Troy, NY	3.8	-	Louisville, KY-IN	3.5	2.1
Allentown-Bethlehem-Easton, PA-NJ	2.4	-	Los Angeles South Coast Air, CA	124.8	103.6
Altoona, PA	1.3	-	Manchester, NH	1.7	1.0
Atlanta, GA	5.7	11.3	Manitowoc Co., WI	6.3	2.3
Atlantic City, NJ	4.1	-	Memphis, TN-AR-MS	1.4	-
Baltimore, MD	8.7	5.6	Miami-Fort Lauderdale, FL CMSA	1.0	1.0
Baton Rouge, LA	5.8	6.1	Milwaukee-Racine, WI CMSA	8.6	2.3
Beaumont-Port Arthur, TX	5.0	3.2	Monterey Bay, CA	4.3	-
Birmingham, AL	2.7	4.1	Muskegon, MI	6.8	3.1
Boston-Lawrence-Salem, MA-NH CMSA	10.0	2.0	Nashville, TN	6.5	5.8
Buffalo-Niagara Falls, NY CMSA	3.1	-	New York, NY-NJ-CT CMSA	12.7	5.1
Canton, OH	1.7	-	Norfolk-Virginia Beach-Newport News, VA	1.3	-
Charleston, WV	2.3	-	Owensboro, KY	4.4	3.0
Charlotte-Gastonia-Rock Hill, NC-SC	2.7	1.0	Paducah, KY	1.1	-
Cherokee County, SC	1.6	-	Parkersburg-Marietta, WV-OH	5.5	-
Chicago-Gary-Lake County, IL-IN-WI CMSA	8.6	2.3	Philadelphia, PA-NJ-DE-MD CMSA	7.0	5.0
Cincinnati-Hamilton, OH-KY-IN CMSA	4.7	4.0	Phoenix, AZ	6.0	6.0
Cleveland-Akron-Lorain, OH CMSA	4.0	-	Pittsburgh-Beaver Valley, PA CMSA	5.6	-
Columbus, OH	1.7	-	Portland-Vancouver, OR-WA CMSA	2.2	4.2
Dallas-Fort Worth, TX CMSA	3.5	4.0	Portland, ME	9.1	6.3
Dayton-Springfield, OH	2.7	-	Portsmouth-Dover-Rochester, NH-ME	4.1	1.0
Detroit-Ann Arbor, MI CMSA	3.7	-	Poughkeepsie, NY	1.3	-
Door County, WI	1.8	3.5	Providence, RI	5.7	6
Edmonson County, KY	3	-	Raleigh-Durham, NC	3.4	-
El Paso, TX	4.2	4.1	Reading, PA	3.1	-
Erie, PA	2.6	-	Reno, NV	2.0	2.0
Essex County, NY	3	1.8	Richmond-Petersburg, VA	3.1	1.0
Evansville, IN-KY	1.1	-	Sacramento, CA	9.9	6.1
Grand Rapids, MI	3.7	2.0	St. Louis, MO-IL	3.8	2.1
Greater Connecticut, CT	7.4	6.1	Salt Lake City-Ogden, UT	2	1.0
Greenbrier County, WV	1.4	-	San Diego, CA	10.1	26.0
Greensboro-Winston-Salem-High Point, NC	7.2	1.1	San Joaquin Valley, CA	35.6	24.5
Hancock and Walden counties, ME	2.5	-	San Francisco-Bay area, CA	2.4	1.0
Harrisburg-Lebanon-Carlisle, PA	1.8	1.0	Santa Barbara-Santa Maria-Lompoc, CA	1.6	2.0
Houston-Galveston-Brazoria, TX CMSA	16.2	24.0	Scranton-Wilkes-Barre, PA	2.7	-
Huntington-Ashland, WV-KY-OH	5.3	4.6	Seattle-Tacoma, WA	3.3	3.3
Indianapolis, IN	1.0	1.0	Sheboygan, WI	5.4	-
Jefferson County, NY	3	-	Smyth County, VA	3.8	(NA)
Jersey Co., IL	2.0	-	South Bend-Mishawaka, IN	1.1	-
Johnstown, PA	3.1	2.0	Southeast Desert Modified AQMD, CA	56.2	43
Kansas City, MO-KS	2.5	-	Springfield, MA	7.7	3.0
Kent County and Queen Anne's Co., MD	1.2	1.3	Sussex County, DE	3.7	1.1
Keweenaw County, WI	1.6	1.0	Tampa-St. Petersburg-Clearwater, FL	1	-
Knox Co. and Lincoln counties, ME	3.5	-	Toledo, OH	2.4	-
Knoxville, TN	8.5	1.3	Ventura County, CA	35.8	14.0
Lake Charles, LA	2.1	1.0	Walworth County, WI	1.3	-
Lancaster, PA	2.0	2.0	Washington, DC-MD-VA	3.3	3.4
Lewiston-Auburn, ME	1.0	-	York, PA	1.9	1
Lexington-Fayette, KY	1.5	2.0	Youngstown-Warren, OH	1.8	-

\* Represents zero. NA Not available. <sup>1</sup> Includes both the Worcester, MA and New Bedford, MA MSA's. <sup>2</sup> Excludes York Co., SC. <sup>3</sup> Not a metropolitan area. <sup>4</sup> Primarily represents Hartford-New Haven area. <sup>5</sup> Primarily represents Los Angeles and Orange counties. <sup>6</sup> Primarily represents Monterey, Santa Cruz, and San Benito counties. <sup>7</sup> Excludes the Connecticut portion. <sup>8</sup> Covers entire State of Rhode Island. <sup>9</sup> Represents primarily San Joaquin, Turlock, Merced, Fresno, Kings, Tulare, and Kern counties. <sup>10</sup> Includes Sharon, PA.

Source: U.S. Environmental Protection Agency, press release, November 1991.

# Hazardous Waste Sites

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## No. 357. Hazardous Waste Sites on the National Priority List, by State: 1991

[Includes both proposed and final sites listed on the National Priorities List for the Superfund program as authorized by the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 and the Superfund Amendments and Reauthorization Act of 1986]

STATE	Total sites	Rank	Percent distribution	Federal	Non-Federal	STATE	Total sites	Rank	Percent distribution	Federal	Non-Federal
<b>Total . . . . .</b>	<b>1,211</b>	<b>(X)</b>	<b>(X)</b>	<b>119</b>	<b>1,091</b>	Missouri . . . . .	22	16	1.8	3	19
<b>United States . . . . .</b>	<b>1,201</b>	<b>(X)</b>	<b>100.0</b>	<b>118</b>	<b>1,082</b>	Montana . . . . .	8	39	0.7	8	8
Alabama . . . . .	12	27	1.0	2	10	Nebraska . . . . .	8	39	0.7	1	7
Alaska . . . . .	6	43	0.5	4	2	Nevada . . . . .	1	50	0.1	-	1
Arizona . . . . .	10	32	0.8	3	7	New Hampshire . . . . .	17	22	1.4	1	16
Arkansas . . . . .	10	32	0.8	-	10	New Jersey . . . . .	109	1	9.1	6	103
California . . . . .	91	3	7.6	20	71	New Mexico . . . . .	10	32	0.8	2	8
Colorado . . . . .	16	23	1.3	3	13	New York . . . . .	84	4	7.0	4	80
Connecticut . . . . .	15	24	1.2	1	14	North Carolina . . . . .	22	16	1.8	1	21
Delaware . . . . .	20	18	1.7	1	19	North Dakota . . . . .	2	47	0.2	-	2
District of Columbia . . . . .	-	(X)	0.0	-	-	Ohio . . . . .	33	11	2.7	3	30
Florida . . . . .	52	6	4.3	4	48	Oklahoma . . . . .	10	32	0.8	1	9
Georgia . . . . .	13	26	1.1	2	11	Oregon . . . . .	8	39	0.7	1	7
Hawaii . . . . .	2	47	0.2	2	-	Pennsylvania . . . . .	97	2	8.1	4	93
Idaho . . . . .	9	37	0.7	2	7	Rhode Island . . . . .	12	27	1.0	2	10
Illinois . . . . .	37	10	3.1	4	33	South Carolina . . . . .	23	15	1.9	1	22
Indiana . . . . .	33	11	2.7	-	33	South Dakota . . . . .	4	45	0.3	1	3
Iowa . . . . .	20	18	1.7	1	19	Tennessee . . . . .	14	25	1.2	2	12
Kansas . . . . .	11	30	0.9	1	10	Texas . . . . .	29	13	2.4	4	25
Kentucky . . . . .	19	21	1.6	-	19	Utah . . . . .	12	27	1.0	4	8
Louisiana . . . . .	11	30	0.9	1	10	Vermont . . . . .	8	39	0.7	-	8
Maine . . . . .	9	37	0.7	2	7	Virginia . . . . .	20	18	1.7	1	19
Maryland . . . . .	10	32	0.8	2	8	Washington . . . . .	49	7	4.1	15	34
Massachusetts . . . . .	25	14	2.1	3	22	West Virginia . . . . .	5	44	0.4	-	5
Michigan . . . . .	77	5	6.4	-	77	Wisconsin . . . . .	39	9	3.2	-	39
Minnesota . . . . .	42	8	3.5	2	40	Wyoming . . . . .	3	46	0.2	1	2
Mississippi . . . . .	2	47	0.2	-	2	Guam . . . . .	1	(X)	(X)	-	1
						Puerto Rico . . . . .	9	(X)	(X)	1	8

- Represents zero. X Not applicable.

U.S. Environmental Protection Agency, press release, July 1991. Also in the *Federal Register*.

## No. 358. State and Local Government Expenditures for Solid Waste Management and Sewerage, by State: 1990

[In millions of dollars, except as indicated]

STATE	TOTAL EXPENDITURES <sup>1</sup>				CAPITAL EXPENDITURES		STATE	TOTAL EXPENDITURES <sup>1</sup>				CAPITAL EXPENDITURES							
	Total	Per capita <sup>2</sup> (dol.)	Solid waste management	Sewerage	Solid waste management	Sewerage		Total	Per capita <sup>2</sup> (dol.)	Solid waste management	Sewerage	Solid waste management	Sewerage						
U.S. <b>28,452.7</b>	<b>114</b>	<b>10,143.8</b>	<b>18,308.9</b>	<b>1,818.4</b>	<b>8,355.9</b>	<b>MS . . . . .</b>	<b>165.4</b>	<b>64</b>	<b>43.4</b>	<b>122.0</b>	<b>2.3</b>	<b>74.1</b>	<b>MT . . . . .</b>	<b>339.8</b>	<b>66</b>	<b>60.3</b>	<b>279.5</b>	<b>6.2</b>	<b>135.3</b>
AL . . . . .	230.5	57	106.1	124.4	6.4	47.6	MO . . . . .	83.2	53	23.1	60.1	3.8	NE . . . . .	41.4	52	19.7	21.6	2.1	4.7
AK . . . . .	92.6	168	25.0	67.5	1.8	29.3	NV . . . . .	86.0	72	2.2	83.9	0.3	NH . . . . .	146.0	132	60.9	85.1	10.3	40.0
AZ . . . . .	395.6	108	116.3	279.2	22.8	189.5	NJ . . . . .	1,639.5	212	703.7	935.8	84.3	AR . . . . .	51.9	80.5	4.4	25.2	2.2	40.7
CA . . . . .	3,596.8	121	816.4	2,780.4	76.5	1,299.5	NM . . . . .	146.8	97	55.1	91.7	12.7	NC . . . . .	338.6	88	1,921.3	1,465.5	575.8	871.8
CO . . . . .	290.5	88	59.7	230.8	28.4	67.8	NY . . . . .	3,386.8	188	1,921.3	1,465.5	575.8	DE . . . . .	209.7	35.3	19.7	378.1	41.9	179.5
CT . . . . .	549.4	167	309.9	239.5	35.3	111.0	NC . . . . .	622.5	94	244.3	318.6	86.6	DE . . . . .	97.0	43.1	13.2	18.6	0.9	10.6
DE . . . . .	97.0	146	43.1	53.9	1.9	13.2	ND . . . . .	31.8	50	13.2	267.7	869.9	DC . . . . .	169.7	289.9	72	227.1	26.1	388.4
DC . . . . .	169.7	280	40.9	128.9	0.7	45.7	OK . . . . .	1,137.5	105	85.8	141.3	34.4	FL . . . . .	1,611.1	82.8	172.2	85.8	204.0	64.7
FL . . . . .	1,611.1	125	892.8	718.4	186.7	349.4	OR . . . . .	227.1	72	85.8	141.3	34.4	GA . . . . .	560.3	86	36.5	43.6	3.9	94.9
GA . . . . .	560.3	86	213.6	346.7	36.5	172.2	OR . . . . .	247.6	87	43.6	102.2	41.2	HI . . . . .	182.7	165	34.9	1,321.6	97.9	251.1
HI . . . . .	182.7	165	78.8	103.9	61.7	11.7	PA . . . . .	111	497.3	824.4	97.9	251.1	ID . . . . .	78.1	78	26.3	51.8	0.4	40.6
ID . . . . .	78.1	78	26.3	51.8	1.7	21.4	RI . . . . .	125.1	125	28.9	96.3	0.4	IL . . . . .	1,114.3	97	268.8	845.5	11.1	89.3
IL . . . . .	1,114.3	97	268.8	845.5	16.8	334.3	SC . . . . .	268.6	77	104.2	164.3	11.1	IN . . . . .	432.4	78	65.0	367.4	1.0	10.4
IN . . . . .	432.4	78	65.0	367.4	3.9	119.0	SD . . . . .	31.7	45	8.1	23.6	1.0	IA . . . . .	259.2	93	65.4	193.8	19.1	147.6
IA . . . . .	259.2	93	65.4	193.8	4.1	105.2	TN . . . . .	407.4	84	132.3	275.1	19.1	KS . . . . .	119.1	48	38.4	80.7	15.5	586.9
KS . . . . .	119.1	48	38.4	80.7	2.9	15.5	TX . . . . .	1,622.1	95	414.2	1,207.9	29.7	KY . . . . .	243.4	66	79.5	163.9	42.8	52.5
KY . . . . .	243.4	66	79.5	163.9	3.7	48.3	UT . . . . .	145.0	84	42.8	102.2	4.1	LA . . . . .	421.0	100	129.6	291.4	15.8	24.2
LA . . . . .	421.0	100	129.6	291.4	11.3	149.2	VT . . . . .	57.0	101	15.8	41.2	1.8	ME . . . . .	141.8	115	52.5	89.3	3.2	175.1
ME . . . . .	141.8	115	52.5	89.3	41.1	41.1	VA . . . . .	753.4	122	256.8	496.6	37.1	MD . . . . .	620.2	130	222.3	397.9	18.9	164.3
MD . . . . .	620.2	130	222.3	397.9	18.9	148.6	WA . . . . .	805.5	166	437.6	367.9	229.7	MA . . . . .	871.6	145	250.7	620.9	31.0	20.3
MA . . . . .	871.6	145	250.7	620.9	31.0	373.1	WV . . . . .	104.1	58	26.2	77.9	2.2	MI . . . . .	1,014.5	109	310.8	703.7	26.3	287.9
MI . . . . .	1,014.5	109	310.8	703.7	26.3	206.3	WI . . . . .	726.6	149	185.7	540.9	16.0	MN . . . . .	490.0	112	137.5	352.4	12.3	8.2
MN . . . . .	490.0	112	137.5	352.4	12.3	147.5	WY . . . . .	68.9	152	48.2	20.7	22.1							

<sup>1</sup> Includes capital expenditures. <sup>2</sup> Based on resident population estimated as of July 1, 1990.

Source: U.S. Bureau of the Census, *Governmental Finances, 1989-1990*, series GF, No. 5.

**No. 359. Municipal Solid Waste Generation, Recovery, and Disposal: 1960 to 1988**

[In millions of tons, except as indicated. Covers post-consumer residential and commercial solid wastes which comprise the major portion of typical municipal collections. Excludes mining, agricultural and industrial processing, demolition and construction wastes, sewage sludge, and junked autos and obsolete equipment wastes. Based on material-flows estimating procedure and wet weight as generated. NA Not available]

ITEM AND MATERIAL	1960	1965	1970	1975	1980	1985	1986	1987	1988
Waste generated . . . . .	87.8	103.4	121.9	128.0	149.6	161.6	167.4	174.1	179.6
Per person per day (lb.) . . . . .	2.66	3.00	3.27	3.26	3.61	3.71	3.80	3.92	4.00
Materials recovered . . . . .	5.9	6.8	8.6	9.9	14.5	16.4	18.3	20.1	23.5
Per person per day (lb.) . . . . .	0.18	0.19	0.23	0.25	0.35	0.38	0.42	0.45	0.52
Combustion for energy recovery . . . . .	(NA)	0.2	0.4	0.7	2.7	7.6	9.6	16.0	24.5
Per person per day (lb.) . . . . .	(NA)	0.01	0.02	0.02	0.06	0.17	0.22	0.36	0.59
Combustion without energy recovery . . . . .	27.0	26.8	24.7	17.8	11.0	4.1	3.0	2.0	1.0
Per person per day (lb.) . . . . .	0.82	0.75	0.66	0.45	0.27	0.10	0.07	0.05	0.02
Landfilled, other disposal . . . . .	54.9	69.6	86.2	99.7	121.4	133.5	136.5	136.0	130.5
Per person per day (lb.) . . . . .	1.67	2.05	2.37	2.54	2.93	3.06	3.09	3.06	2.87
Percent distribution of generation:									
Paper and paperboard . . . . .	34.1	36.8	36.3	33.6	36.6	38.1	39.2	40.0	40.0
Glass . . . . .	7.6	8.4	10.4	10.5	10.0	8.2	7.8	7.1	7.0
Metals . . . . .	12.0	10.7	11.6	11.2	9.7	8.8	8.7	8.5	8.5
Plastics . . . . .	0.5	1.4	2.5	3.5	5.2	7.2	7.3	7.7	8.0
Rubber and leather . . . . .	2.3	2.5	2.6	3.0	2.9	2.4	2.6	2.5	2.5
Textiles . . . . .	1.9	1.8	1.6	1.7	1.7	1.7	1.6	2.1	2.1
Wood . . . . .	3.4	3.4	3.3	3.4	3.3	3.3	3.4	3.4	3.6
Food wastes . . . . .	13.9	12.3	10.5	10.5	8.8	8.2	7.9	7.6	7.4
Yard wastes . . . . .	22.8	20.9	19.0	19.7	18.4	18.6	18.0	17.8	17.6
Other wastes . . . . .	1.6	1.8	2.2	2.9	3.4	3.6	3.5	3.3	3.2

**No. 360. Generation and Recovery of Selected Materials in Municipal Solid Waste: 1960 to 1988**

[In millions of tons, except as indicated. Covers post-consumer residential and commercial solid wastes which comprise the major portion of typical municipal collections. Excludes mining, agricultural and industrial processing, demolition and construction wastes, sewage sludge, and junked autos and obsolete equipment wastes. Based on material-flows estimating procedure and wet weight as generated]

ITEM AND MATERIAL	1960	1965	1970	1975	1980	1985	1986	1987	1988
<b>Waste generated, total . . . . .</b>	<b>87.8</b>	<b>103.4</b>	<b>121.9</b>	<b>128.1</b>	<b>149.6</b>	<b>161.6</b>	<b>167.4</b>	<b>174.1</b>	<b>179.6</b>
Paper and paperboard . . . . .	29.9	38.0	44.2	43.0	54.7	61.5	65.6	69.6	71.8
Ferrous metals . . . . .	9.9	10.1	12.6	12.3	11.6	10.9	11.1	11.3	11.6
Aluminum . . . . .	0.4	0.5	0.8	1.1	1.8	2.3	2.4	2.4	2.5
Other nonferrous metals . . . . .	0.2	0.5	0.7	0.9	1.1	1.0	1.0	1.1	1.1
Glass . . . . .	6.7	8.7	12.7	13.5	15.0	13.2	13.0	12.3	12.5
Plastics . . . . .	0.4	1.4	3.1	4.5	7.8	11.6	12.2	13.4	14.4
Yard waste . . . . .	20.0	21.6	23.2	25.2	27.5	30.0	30.2	31.0	31.6
Other wastes . . . . .	20.3	22.6	24.6	27.6	30.1	31.1	31.9	33.0	34.1
<b>Materials recovered, total . . . . .</b>	<b>5.9</b>	<b>6.8</b>	<b>8.6</b>	<b>9.9</b>	<b>14.5</b>	<b>16.4</b>	<b>18.3</b>	<b>20.1</b>	<b>23.5</b>
Paper and paperboard . . . . .	5.4	5.7	7.4	8.2	11.9	13.1	14.8	16.3	18.4
Ferrous metals . . . . .	0.1	0.1	0.1	0.2	0.4	0.4	0.4	0.4	0.7
Aluminum . . . . .	0.0	0.0	0.0	0.1	0.3	0.6	0.6	0.7	0.8
Other nonferrous metals . . . . .	0.0	0.3	0.3	0.4	0.5	0.5	0.6	0.6	0.7
Glass . . . . .	0.1	0.1	0.2	0.4	0.8	1.0	1.1	1.3	1.5
Plastics . . . . .	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2
Yard waste . . . . .	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
Other wastes . . . . .	0.3	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7
<b>Percent of generation recovered, total . . . . .</b>	<b>6.7</b>	<b>6.6</b>	<b>7.1</b>	<b>7.7</b>	<b>9.7</b>	<b>10.1</b>	<b>10.9</b>	<b>11.5</b>	<b>13.1</b>
Paper and paperboard . . . . .	18.1	15.0	16.7	19.1	21.8	21.3	22.6	23.4	25.6
Ferrous metals . . . . .	1.0	1.0	0.8	1.6	3.4	3.7	3.6	3.5	5.8
Aluminum . . . . .	0.0	0.0	0.0	8.1	16.7	26.1	25.0	29.2	31.7
Other nonferrous metals . . . . .	0.0	60.0	42.9	44.4	45.5	50.0	60.0	54.5	65.1
Glass . . . . .	1.5	1.1	1.6	3.0	5.3	7.6	8.5	10.6	12.0
Plastics . . . . .	0.0	0.0	0.0	0.0	0.0	0.9	0.8	0.7	1.1
Yard waste . . . . .	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
Other wastes . . . . .	1.5	2.7	2.4	2.2	2.0	2.3	2.2	2.1	2.1

Source of tables 359 and 360: Franklin Associates, Ltd., Prairie Village, KS, *Characterization of Municipal Solid Waste in the United States: 1990 Update*. Prepared for the U.S. Environmental Protection Agency.

**No. 361. Synthetic Organic Pesticides—Production and Sales: 1970 to 1990**

[Includes a small quantity of soil conditioners. 1 kg. = .454 lbs]

ITEM	Unit	1970	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
<b>Production, total . . . . .</b>	<b>Mil. kg.</b>	<b>489</b>	<b>666</b>	<b>649</b>	<b>505</b>	<b>461</b>	<b>539</b>	<b>560</b>	<b>535</b>	<b>472</b>	<b>528</b>	<b>572</b>	<b>557</b>
Herbicides . . . . .	Mil. kg.	183	366	380	283	259	325	343	329	252	318	316	317
Insecticides . . . . .	Mil. kg.	222	229	203	172	147	159	168	155	172	160	192	175
Fungicides . . . . .	Mil. kg.	63	71	65	50	56	56	49	51	48	50	50	44
All other pesticides <sup>1</sup> . . . . .	Mil. kg.	(NA)	14	22									
<b>Sales, total . . . . .</b>	<b>Mil. kg.</b>	<b>400</b>	<b>638</b>	<b>585</b>	<b>520</b>	<b>461</b>	<b>502</b>	<b>463</b>	<b>426</b>	<b>413</b>	<b>424</b>	<b>461</b>	<b>442</b>
Sales value . . . . .	Mil. dol.	870	4,078	4,652	4,432	4,054	4,730	4,437	4,234	4,171	4,354	5,203	4,774

NA Not available. <sup>1</sup> Beginning 1989, may include some former insecticides along with new products.

Source: U.S. International Trade Commission, *Synthetic Organic Chemicals*, annual.

**No. 362. Pollution Abatement and Control Expenditures in Current and Constant (1982) Dollars, 1980 to 1989, and by Media, 1989**

[In millions of dollars, except percent. Excludes agricultural production of crops and livestock except feedlots]

ITEM	1980	1983	1984	1985	1986	1987	1988	1989			
								Total <sup>1</sup>	Air	Water	Solid waste
<b>CURRENT DOLLARS</b>											
Total expenditures . . . . .	53,538	61,779	68,920	74,636	78,717	81,486	86,063	91,348	32,657	36,009	23,227
Pollution abatement . . . . .	50,491	58,060	65,230	70,945	74,612	77,319	81,588	86,571	30,217	34,962	22,642
Personal consumption . . . . .	6,589	9,771	10,767	11,839	12,188	10,872	12,043	10,635	10,635	-	-
Business . . . . .	32,283	37,588	42,191	45,097	46,832	49,620	52,190	57,046	19,265	23,540	15,837
Government . . . . .	11,620	10,700	12,273	14,009	15,593	16,827	17,355	18,889	317	11,422	6,806
Federal . . . . .	494	795	944	1,225	1,346	1,237	1,402	1,381	70	731	300
State and local . . . . .	2,778	3,547	3,886	4,324	4,793	5,356	6,149	7,076	12	493	6,506
Govt. enterprise fixed capital . . . . .	8,347	6,358	7,443	8,460	9,454	10,235	9,804	10,433	235	10,197	-
Regulation and monitoring . . . . .	1,296	1,385	1,362	1,279	1,532	1,519	1,695	1,803	490	670	400
Research and development . . . . .	1,751	2,335	2,337	2,412	2,573	2,648	2,781	2,974	1,950	377	184
<b>CONSTANT (1982) DOLLARS</b>											
Total expenditures . . . . .	62,046	60,007	64,713	68,121	72,071	71,502	73,622	74,381	28,251	29,581	17,166
Pollution abatement . . . . .	58,421	56,453	61,326	64,846	68,488	67,963	69,970	70,658	26,326	28,780	16,723
Personal consumption . . . . .	7,164	9,731	10,565	11,336	12,147	10,305	11,042	9,184	9,184	-	-
Business . . . . .	37,885	36,533	39,495	41,282	43,066	43,782	45,168	47,053	16,872	19,914	11,703
Government . . . . .	13,372	10,188	11,266	12,228	13,275	13,876	13,760	14,422	270	8,867	5,021
Regulation and monitoring . . . . .	1,533	1,315	1,230	1,104	1,291	1,234	1,337	1,347	366	501	296
Research and development . . . . .	2,092	2,239	2,157	2,171	2,292	2,306	2,315	2,376	1,560	300	147

- Represents zero. <sup>1</sup> Includes "other and unallocated" expenditures (such as for noise, radiation, and pesticide pollution and business expenditures not assigned to media) which may be either positive or negative; therefore, data may not add.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, November 1991, and prior issues.

**No. 363. Air and Water Pollution Abatement Expenditures in Constant (1982) Dollars: 1980 to 1989**

[In millions of dollars. See headnote, table 362]

YEAR	AIR						WATER					
	Total	Mobile sources <sup>1</sup>			Stationary sources			Total <sup>4</sup>	Industrial		Public sewer systems <sup>5</sup>	
		Total	Cars	Trucks	Total <sup>2</sup>	Facilities	Operations <sup>3</sup>		Facilities	Operations <sup>3</sup>	Facilities	Operations <sup>3</sup>
1980 . . . . .	24,744	11,764	8,818	2,946	12,980	5,946	6,304	24,647	3,725	4,081	8,942	4,694
1981 . . . . .	25,850	13,401	10,564	2,837	12,448	5,446	6,299	21,984	3,259	4,180	6,882	4,680
1982 . . . . .	24,961	13,464	10,530	2,934	11,496	5,086	5,675	21,199	3,080	4,022	6,148	5,156
1983 . . . . .	26,367	15,581	12,274	3,307	10,785	4,104	5,990	21,543	2,811	4,509	5,551	5,475
1984 . . . . .	28,591	17,561	13,481	4,081	11,030	4,115	6,260	23,257	2,900	4,795	6,387	5,649
1985 . . . . .	29,665	18,697	14,209	4,488	10,968	3,935	6,452	24,724	2,995	5,035	7,005	6,016
1986 . . . . .	30,788	19,508	14,804	4,704	11,280	3,884	6,892	26,449	2,854	5,379	7,774	6,691
1987 . . . . .	28,065	16,770	12,982	4,378	11,295	3,955	6,874	27,962	3,119	5,988	8,248	7,116
1988 . . . . .	29,112	18,117	(NA)	(NA)	10,995	3,876	6,684	27,192	2,849	5,906	7,891	7,553
1989, prel. . . . .	26,326	14,930	(NA)	(NA)	11,396	4,168	6,802	28,780	3,553	6,370	7,923	7,817

NA Not available. <sup>1</sup> Excludes expenditures to reduce emissions from sources other than cars and trucks. <sup>2</sup> Includes other expenditures not shown separately. <sup>3</sup> Operation of facilities. <sup>4</sup> Includes nonpoint sources not shown separately. <sup>5</sup> Includes expenditures for private connectors to sewer systems, by owners of animal feedlots, and by government enterprises.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, November 1991, and prior issues.

**No. 364. Pollution Abatement Capital Expenditures and Operating Costs of Manufacturing Establishments, 1980 to 1989, and by Selected Industry Group, 1989**

[In millions of dollars. Based on probability sample of about 20,000 manufacturing establishments. Excludes apparel and other textile establishments and establishments with less than 20 employees. Data for 1987 are not available as no survey was conducted]

YEAR AND INDUSTRY GROUP	POLLUTION ABATEMENT CAPITAL EXPENDITURES					POLLUTION ABATEMENT GROSS OPERATING COSTS <sup>1</sup>				
	Total	Air	Water	Solid waste		Total	Air	Water	Solid waste	
				Hazardous	Non-hazardous				Hazardous	Non-hazardous
1980.....	3,502.9	2,105.5	1,146.5	(NA)	2251.0	8,141.8	3,297.8	3,193.1	(NA)	21,650.6
1985.....	2,809.7	1,292.3	1,017.9	326.2	172.9	11,677.9	4,330.2	4,609.5	943.0	1,795.3
1986.....	2,846.9	1,462.8	1,038.7	168.7	176.0	12,258.1	4,261.0	4,820.2	1,135.5	2,041.4
1988.....	3,423.3	1,524.1	1,289.5	332.1	277.5	14,008.6	4,466.5	5,276.0	1,687.0	2,579.0
All Industries, 1989 <sup>2</sup> .....	4,309.0	1,819.0	1,824.5	304.9	360.6	15,825.6	4,694.2	5,853.4	2,074.1	3,004.0
Food and kindred products.....	260.6	51.7	183.6	3.8	21.4	1,056.2	137.4	663.6	17.0	238.3
Paper and allied products.....	808.2	392.4	261.0	13.2	141.6	1,449.0	388.1	686.8	31.4	342.8
Chemical and allied products.....	1,194.8	380.3	598.6	128.9	87.0	3,509.2	794.0	1,613.8	560.1	541.3
Petroleum and coal products.....	417.6	146.5	230.4	33.7	7.0	2,170.0	1,258.2	578.8	163.5	169.4
Rubber, miscellaneous plastic products.....	78.2	50.3	16.0	3.2	8.8	403.3	85.3	99.6	56.9	161.5
Stone, clay, glass products.....	97.3	73.2	17.1	1.4	5.6	591.7	328.4	85.0	38.9	139.4
Primary metal industries.....	407.0	216.3	138.7	23.7	28.4	1,931.1	883.1	574.2	201.0	272.7
Fabricated metals products.....	151.0	50.5	71.3	17.2	12.1	895.7	123.8	389.5	212.6	169.8
Machinery, exc. electrical.....	169.5	99.8	54.8	8.3	6.6	571.9	80.6	170.5	149.4	171.4
Electrical, electronic equipment.....	188.7	66.6	94.3	23.5	4.3	729.1	100.9	308.9	198.6	120.7
Transportation equipment.....	286.8	156.0	84.6	31.7	14.7	1,000.3	212.2	318.1	226.7	243.4

- Represents zero. <sup>1</sup> D Withheld to avoid disclosing operations of individual companies. NA Not available. <sup>1</sup> Includes payments to governmental units. <sup>2</sup> Hazardous and nonhazardous solid waste were not collected separately prior to 1983.

<sup>3</sup> Includes industries not shown separately; excludes Major Group 23, Apparel and Other Textile Products.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-200, annual.

**No. 365. Threatened and Endangered Wildlife and Plant Species—Number: 1991**

[As of March 31. Endangered species: One in danger of becoming extinct throughout all or a significant part of its natural range. Threatened species: One likely to become endangered in the foreseeable future]

ITEM	Mammals	Birds	Reptiles	Amphibians	Fishes	Snails	Clams	Crustaceans	Insects	Arachnids	Plants
<b>Endangered species, total</b>	<b>304</b>	<b>226</b>	<b>80</b>	<b>14</b>	<b>64</b>	<b>8</b>	<b>41</b>	<b>8</b>	<b>14</b>	<b>3</b>	<b>210</b>
U.S. only .....	36	57	8	6	51	7	39	8	12	3	203
U.S. and foreign .....	19	16	8	-	2	-	-	-	1	-	6
Foreign only .....	249	153	64	8	11	1	2	-	1	-	1
<b>Threatened species, total</b>	<b>30</b>	<b>12</b>	<b>32</b>	<b>5</b>	<b>34</b>	<b>6</b>	<b>2</b>	<b>2</b>	<b>9</b>	<b>-</b>	<b>63</b>
U.S. only .....	5	7	14	4	28	6	2	2	9	-	52
U.S. and foreign .....	3	5	4	1	6	-	-	-	-	-	9
Foreign only .....	22	-	14	-	-	-	-	-	-	-	2

- Represents zero. <sup>1</sup> Species outside United States and outlying areas as determined by Fish and Wildlife Service.

Source: U.S. Fish and Wildlife Service, *Endangered Species Technical Bulletin*, April 1991, vol. XV, No. 4.

**No. 366. Tornadoes, Floods, and Tropical Cyclones: 1980 to 1990**

[See also *Historical Statistics, Colonial Times to 1970*, series J 268-278]

ITEM	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Tornadoes, number <sup>1</sup> .....	866	783	1,046	931	907	684	764	656	702	856	1,133
Lives lost, total .....	28	24	64	34	122	94	15	59	32	50	53
Most in a single tornado .....	5	5	10	3	16	18	3	30	5	21	29
Property loss of \$500,000 and over .....	92	55	92	95	125	69	75	38	48	60	91
Floods: Lives lost .....	97	90	155	200	126	304	80	82	29	81	(NA)
Property loss (mil. dol.) .....	1,500	1,000	3,500	4,100	4,000	3,000	4,000	1,490	114	415	(NA)
North Atlantic tropical cyclones and hurricanes: <sup>2</sup>											
Number reaching U.S. coast .....	2	2	1	2	2	11	6	7	12	4	1
Hurricanes only .....	1	-	-	1	1	7	4	2	5	3	-
Lives lost in U.S. ....	2	-	-	22	4	9	-	-	-	56	13

- Represents zero. NA Not available. <sup>1</sup> A violent, rotating column of air descending from a cumulonimbus cloud in the form of a tubular- or funnel-shaped cloud, usually characterized by movements along a narrow path and wind speeds from 100 to over 300 miles per hour. Also known as a "twister" or "waterspout." <sup>2</sup> Tropical cyclones have maximum winds of 39 to 73 miles per hour; hurricanes have maximum winds of 74 miles per hour or higher.

Source: U.S. National Oceanic and Atmospheric Administration, 1966-1980, *Climatological Data: National Summary*, monthly with annual summary; thereafter, *Storm Data*, monthly.

## No. 367. Normal Daily Mean Temperature—Selected Cities

[In Fahrenheit degrees. Airport data except as noted. Based on standard 30-year period, 1961 through 1990. See *Historical Statistics, Colonial Times to 1970*, series J 110-136 and J 164-267, for related data]

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual avg.
AL	Mobile . . . . .	49.9	53.2	60.5	67.8	74.5	80.4	82.3	81.8	77.9	68.4	59.8	53.0	67.5
AK	Juneau . . . . .	24.2	28.4	32.7	39.7	47.0	53.0	56.0	55.0	49.4	42.2	32.0	27.1	40.6
AZ	Phoenix . . . . .	53.6	57.7	62.2	69.9	78.8	88.2	93.5	91.5	85.6	74.5	61.9	54.1	72.6
AR	Little Rock . . . . .	39.1	43.6	53.1	62.1	70.2	78.4	81.9	80.6	74.1	63.0	52.1	42.8	61.8
CA	Los Angeles . . . . .	56.8	57.6	58.0	60.1	62.7	65.7	69.1	70.5	69.9	68.8	61.6	56.9	63.0
	Sacramento . . . . .	45.2	50.7	53.6	58.3	65.3	71.6	75.7	75.1	71.5	64.2	53.3	45.3	60.8
	San Diego . . . . .	57.4	58.6	59.6	62.0	64.1	66.8	71.0	72.6	71.4	67.7	62.0	57.4	64.2
	San Francisco . . . . .	48.7	52.2	53.3	55.6	58.1	61.5	62.7	63.7	64.5	61.0	54.8	49.4	57.1
CO	Denver . . . . .	29.7	33.4	39.0	48.2	57.2	66.9	73.5	71.4	62.3	51.4	39.0	31.0	50.3
CT	Hartford . . . . .	24.6	27.5	37.5	48.7	59.6	68.5	73.7	71.6	63.3	52.2	41.9	29.5	49.9
DE	Wilmington . . . . .	30.6	33.4	42.7	52.2	62.5	71.5	76.4	75.0	68.0	56.2	46.3	35.8	54.2
DC	Washington . . . . .	34.6	37.5	47.2	56.5	66.4	75.6	80.0	78.5	71.3	59.7	49.8	39.4	58.0
FL	Jacksonville . . . . .	52.4	55.2	61.1	67.0	73.4	79.1	81.6	82.4	78.1	69.8	61.9	55.1	68.0
	Miami . . . . .	67.2	68.5	71.7	75.2	78.7	81.4	82.6	82.8	81.9	78.3	73.6	69.1	75.9
GA	Atlanta . . . . .	41.0	44.8	53.5	61.5	69.2	76.0	78.8	78.1	72.7	62.3	53.1	44.5	61.3
HI	Honolulu . . . . .	72.9	73.0	74.4	75.8	77.5	79.4	80.5	81.4	81.0	79.6	77.2	74.1	77.2
ID	Boise . . . . .	29.0	35.9	42.4	49.1	57.5	66.5	74.0	72.5	62.6	51.8	39.9	30.1	50.9
IL	Chicago . . . . .	21.0	25.4	37.2	48.6	58.8	68.6	73.2	71.7	64.4	52.8	40.0	26.6	49.0
	Peoria . . . . .	21.6	26.3	39.0	51.4	61.9	71.5	75.6	73.1	66.1	54.0	41.2	27.0	50.7
IN	Indianapolis . . . . .	25.5	29.6	41.4	52.4	62.8	71.9	75.4	73.2	66.6	54.7	43.0	30.9	52.3
IA	Des Moines . . . . .	19.4	24.7	37.3	50.9	62.3	71.8	76.6	73.9	65.1	53.5	39.0	24.4	49.9
KS	Wichita . . . . .	29.5	34.8	45.4	56.4	65.6	75.7	81.4	79.3	70.3	58.6	44.7	33.0	56.2
KY	Louisville . . . . .	31.7	35.7	46.3	56.3	65.3	73.2	77.2	75.8	69.5	57.6	47.1	36.9	56.1
LA	New Orleans . . . . .	51.3	54.3	61.6	68.5	74.8	80.0	81.9	81.5	78.1	69.1	61.1	54.5	68.1
ME	Portland . . . . .	20.8	23.3	33.0	43.3	53.3	62.4	68.6	67.3	59.1	48.5	38.7	26.5	45.4
MD	Baltimore . . . . .	31.8	34.8	44.1	53.4	63.4	72.5	77.0	75.6	68.5	56.6	46.8	36.7	55.1
MA	Boston . . . . .	28.6	30.3	38.6	48.1	58.2	67.7	73.5	71.9	64.8	54.8	45.3	33.6	51.3
MI	Detroit . . . . .	22.9	25.4	35.7	47.3	58.4	67.6	72.3	70.5	63.2	51.2	40.2	28.3	48.6
	Sault Ste. Marie . . . . .	12.9	14.0	24.0	38.2	50.5	58.0	63.8	62.6	55.1	45.3	33.0	19.0	39.7
MN	Duluth . . . . .	7.0	12.3	24.4	38.6	50.8	59.8	66.1	63.7	54.2	43.7	28.4	12.8	38.5
	Minneapolis-St. Paul . . . . .	11.8	17.9	31.0	46.4	58.5	68.2	73.6	70.5	60.5	48.8	33.2	17.9	44.9
MS	Jackson . . . . .	44.1	47.9	56.7	64.6	72.0	78.8	81.5	80.9	75.9	64.7	55.8	47.8	64.2
MO	Kansas City . . . . .	25.7	31.2	42.7	54.5	64.1	73.2	78.5	76.1	67.5	56.6	43.1	30.4	53.6
	St. Louis . . . . .	29.3	33.9	45.1	56.7	66.1	75.4	79.8	77.6	70.2	58.4	46.2	33.9	56.1
MT	Great Falls . . . . .	21.2	27.4	33.3	43.6	53.1	61.6	68.2	66.9	56.6	47.5	33.9	23.9	44.8
NE	Omaha . . . . .	21.1	26.9	39.6	51.9	62.4	72.1	76.9	74.1	65.1	53.4	39.0	25.1	50.6
NV	Reno . . . . .	32.9	38.0	42.8	48.6	56.5	65.1	71.6	69.6	60.4	50.8	40.3	32.7	50.8
NH	Concord . . . . .	18.6	21.8	32.4	43.9	55.2	64.2	69.5	67.3	58.8	47.8	37.1	24.3	45.1
NJ	Atlantic City . . . . .	30.9	33.0	41.5	50.0	60.4	69.4	74.7	73.4	66.1	54.9	45.8	35.8	53.0
NM	Albuquerque . . . . .	34.2	40.0	46.9	55.2	64.2	74.2	78.5	75.9	68.6	57.0	44.3	35.3	56.2
NY	Albany . . . . .	20.6	23.5	34.3	46.4	57.6	66.9	71.8	69.6	61.3	50.2	39.7	26.5	47.4
	Buffalo . . . . .	23.6	24.5	33.8	45.2	56.6	65.9	71.1	69.0	61.9	51.1	40.5	29.1	47.7
NC	New York . . . . .	31.5	33.6	42.4	52.5	62.7	71.6	76.8	75.5	68.2	57.5	47.6	36.6	54.7
	Charlotte . . . . .	38.3	42.5	50.9	59.4	67.4	75.7	79.3	78.3	72.4	61.3	52.1	42.6	60.1
ND	Bismarck . . . . .	8.9	15.7	28.2	43.0	55.0	64.4	70.4	68.3	57.0	45.7	28.6	14.0	41.6
OH	Cincinnati . . . . .	28.1	31.8	43.0	53.2	62.9	71.0	75.1	73.5	67.3	55.1	44.3	33.5	53.2
	Cleveland . . . . .	24.8	27.2	37.3	47.6	58.0	67.6	71.9	70.4	63.9	52.8	42.6	30.9	49.6
OK	Columbus . . . . .	26.4	29.6	40.9	51.0	61.2	69.2	73.2	71.5	65.5	53.7	42.9	31.9	51.4
OR	Oklahoma City . . . . .	35.9	40.9	50.3	60.4	68.4	76.7	82.0	81.1	73.0	62.0	49.6	39.3	60.0
PA	Portland . . . . .	39.6	43.6	47.3	51.0	57.1	63.5	68.2	66.6	63.3	54.5	46.1	40.2	53.6
	Philadelphia . . . . .	30.4	33.0	42.4	52.4	62.9	71.8	76.7	75.5	68.2	56.4	46.4	35.8	54.3
RI	Pittsburgh . . . . .	26.1	28.7	39.4	49.6	59.5	67.9	72.1	70.5	63.9	52.4	42.3	31.5	50.3
SC	Providence . . . . .	27.9	29.7	37.4	47.4	57.3	66.9	72.7	71.3	64.1	53.6	44.0	32.8	50.4
SD	Columbia . . . . .	43.8	46.8	55.2	63.0	70.9	77.4	80.8	79.7	74.2	63.3	54.6	46.9	63.1
TN	Sioux Falls . . . . .	13.8	19.7	32.5	46.9	58.4	68.3	74.3	71.4	60.9	48.6	33.0	18.3	45.5
	Memphis . . . . .	39.7	44.2	53.1	62.9	71.2	79.1	82.6	81.0	74.2	63.1	52.5	43.7	62.3
	Nashville . . . . .	36.2	40.4	50.2	59.2	67.7	75.6	79.3	78.1	71.8	60.4	50.0	40.5	59.1
TX	Dallas-Fort Worth . . . . .	43.4	47.9	56.7	65.5	72.8	81.0	85.3	84.9	77.4	67.2	56.2	46.9	65.4
	El Paso . . . . .	42.8	48.1	55.1	63.4	71.8	80.4	82.3	80.1	74.4	64.0	52.4	44.1	63.2
UT	Houston . . . . .	50.4	53.9	60.6	68.3	74.5	80.4	82.6	82.3	78.2	69.6	61.0	53.5	67.9
VT	Salt Lake City . . . . .	27.9	34.1	41.8	49.7	58.8	69.1	77.9	75.6	65.2	53.2	40.8	29.7	52.0
VA	Burlington . . . . .	16.3	18.2	30.7	43.9	56.3	65.2	70.5	67.9	58.9	47.8	36.8	23.0	44.6
	Norfolk . . . . .	39.1	41.0	48.6	57.0	66.1	74.1	78.2	77.2	71.9	61.2	52.5	43.8	59.2
	Richmond . . . . .	35.7	38.7	48.0	57.3	66.0	73.9	78.0	76.8	70.0	58.6	49.6	40.1	57.7
WA	Seattle-Tacoma . . . . .	40.1	43.5	45.6	49.2	55.1	60.9	65.2	65.5	60.6	52.8	45.3	40.5	52.0
	Spokane . . . . .	27.1	33.3	38.7	45.9	53.9	62.0	68.8	68.4	58.9	47.3	35.1	27.8	47.3
WV	Charleston . . . . .	32.1	35.5	45.9	54.8	63.5	71.4	75.1	73.9	67.7	56.2	46.8	37.0	55.0
WI	Milwaukee . . . . .	18.9	23.0	33.3	44.4	54.6	65.0	70.9	69.3	61.7	50.3	37.7	24.4	46.1
WY	Cheyenne . . . . .	26.5	29.3	33.6	42.5	52.0	61.3	68.4	66.4	57.4	47.0	35.2	27.8	45.6
PR	San Juan . . . . .	77.0	77.1	78.0	79.4	80.9	82.3	82.6	82.7	82.5	81.9	80.0	78.1	80.2

<sup>1</sup> City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Climatology of the United States*, No. 81.

## No. 368. Normal Daily Maximum Temperature—Selected Cities

[In Fahrenheit degrees. Airport data except as noted. Based on standard 30-year period, 1961 through 1990]

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual avg.
AL	Mobile . . . . .	59.7	63.6	70.9	78.5	84.6	90.0	91.3	90.5	86.9	79.5	70.3	62.9	77.4
AK	Juneau . . . . .	29.4	34.1	36.7	47.2	55.1	60.9	63.9	62.7	55.9	47.1	36.7	31.6	46.9
AZ	Phoenix . . . . .	65.9	70.7	75.5	84.5	93.6	103.5	105.9	103.7	98.3	88.1	74.9	66.2	85.9
AR	Little Rock . . . . .	49.0	53.9	64.0	73.4	81.3	89.3	92.4	91.4	84.6	75.1	62.7	52.5	72.5
CA	Los Angeles . . . . .	65.7	65.9	65.5	67.4	70.0	71.9	75.3	76.6	76.6	74.4	70.3	65.9	70.4
	Sacramento . . . . .	52.7	60.0	64.0	71.1	80.3	87.8	93.2	92.1	87.3	77.9	63.1	52.7	73.5
	San Diego . . . . .	65.9	66.5	66.3	68.4	69.1	71.6	76.2	77.8	77.1	74.6	69.9	66.1	70.8
	San Francisco . . . . .	55.6	59.4	60.8	63.9	66.5	70.3	71.6	72.3	73.6	70.1	62.4	56.1	65.2
CO	Denver . . . . .	43.2	46.6	52.2	61.8	70.8	81.4	88.2	85.8	76.9	66.3	52.5	44.5	64.2
CT	Hartford . . . . .	33.2	36.4	46.8	59.9	71.6	80.0	85.0	82.7	74.8	63.7	51.0	37.5	60.2
DE	Wilmington . . . . .	38.7	41.9	52.1	62.6	72.9	81.4	85.6	84.1	77.7	66.6	55.5	43.9	63.6
DC	Washington . . . . .	42.3	45.9	56.5	66.7	76.2	84.7	88.5	86.9	80.1	69.1	58.3	47.0	66.9
FL	Jacksonville . . . . .	64.2	67.0	73.0	79.1	84.7	89.3	91.4	90.7	87.2	80.2	73.6	66.8	78.9
	Miami . . . . .	75.2	76.5	79.1	82.4	85.3	87.6	89.0	89.0	87.8	84.5	80.4	76.7	82.8
GA	Atlanta . . . . .	50.4	55.0	64.3	72.7	79.6	85.8	88.0	87.1	81.8	72.7	63.4	54.0	71.2
HI	Honolulu . . . . .	80.1	80.5	81.6	82.8	84.7	86.5	87.5	88.7	88.5	86.9	84.1	81.2	84.4
ID	Boise . . . . .	36.4	44.2	52.9	61.4	70.9	80.9	90.2	88.1	77.0	64.6	48.7	37.7	62.8
IL	Chicago . . . . .	29.0	33.5	45.8	58.6	70.1	79.6	83.7	81.8	74.8	63.3	48.4	34.0	58.6
	Peoria . . . . .	29.9	34.9	48.1	62.0	72.8	82.2	85.7	83.1	76.9	64.8	49.8	34.6	60.4
IN	Indianapolis . . . . .	33.7	38.3	50.9	63.3	73.8	82.7	85.5	83.6	77.6	65.8	51.9	38.5	62.1
IA	Des Moines . . . . .	28.1	33.7	46.9	61.8	73.0	82.2	86.7	84.2	75.6	64.3	48.0	32.6	59.8
KS	Wichita . . . . .	39.8	45.9	57.2	68.3	76.9	86.8	92.8	90.7	81.4	70.6	55.3	43.0	67.4
KY	Louisville . . . . .	40.3	44.8	56.3	67.3	76.0	83.5	87.0	85.7	80.3	69.2	56.8	45.1	66.0
LA	New Orleans . . . . .	60.8	64.1	71.6	78.5	84.4	89.2	90.6	90.2	86.6	79.4	71.1	64.3	77.6
ME	Portland . . . . .	30.3	33.1	41.4	52.3	63.2	72.7	78.8	77.4	69.3	58.7	47.0	35.1	54.9
MD	Baltimore . . . . .	40.2	43.7	54.0	64.3	74.2	83.2	87.2	85.4	78.5	67.3	56.5	45.2	65.0
MA	Boston . . . . .	35.7	37.5	45.8	55.9	66.6	76.3	81.8	79.8	72.8	62.7	52.2	40.4	59.0
MI	Detroit . . . . .	30.3	33.3	44.4	57.7	69.6	78.9	83.3	81.3	73.9	61.5	48.1	35.2	58.1
	Sault Ste. Marie . . . . .	21.1	23.2	32.8	48.0	62.6	70.5	76.3	73.8	65.9	54.3	40.0	26.2	49.6
MN	Duluth . . . . .	16.2	21.7	32.9	48.2	61.9	71.0	77.1	73.9	63.8	52.3	35.2	20.7	47.9
	Minneapolis-St. Paul . . . . .	20.7	26.6	39.2	56.5	69.4	78.8	84.0	80.7	70.7	58.8	41.0	25.5	64.3
MS	Jackson . . . . .	55.6	60.1	69.3	77.4	84.0	90.6	92.4	92.0	88.0	78.1	69.2	59.5	76.4
MO	Kansas City . . . . .	34.7	40.6	52.8	65.1	74.3	83.3	88.7	86.4	78.1	67.5	52.6	38.8	63.6
	St. Louis . . . . .	37.7	42.6	54.6	66.9	76.1	85.2	89.3	87.3	79.9	68.5	54.7	41.7	65.4
MT	Great Falls . . . . .	30.6	37.5	43.7	55.3	65.2	74.6	83.3	81.6	69.6	59.3	43.5	33.1	56.4
NE	Omaha . . . . .	31.3	37.1	49.4	63.8	74.0	83.7	87.9	85.2	76.5	65.6	49.3	34.6	61.5
NV	Reno . . . . .	45.1	51.7	56.3	63.7	72.9	83.1	91.9	89.6	79.5	68.6	53.8	45.5	66.8
NH	Concord . . . . .	29.8	33.0	42.8	56.3	68.9	77.3	82.4	79.8	71.6	60.7	47.1	34.2	57.0
NJ	Atlantic City . . . . .	40.4	42.5	51.6	60.7	71.2	80.0	84.5	83.3	76.6	66.0	55.7	45.3	63.2
NM	Albuquerque . . . . .	46.8	53.5	61.4	70.8	79.7	90.0	92.5	89.0	81.9	71.0	57.3	47.5	70.1
NY	Albany . . . . .	30.2	33.2	44.0	57.5	69.7	79.0	84.0	81.4	73.2	61.8	48.7	34.9	58.1
	Buffalo . . . . .	30.2	31.6	41.7	54.2	66.1	75.3	80.2	77.9	70.8	59.4	47.1	35.3	55.8
	New York <sup>1</sup> . . . . .	37.6	40.3	50.0	61.2	71.7	80.1	85.2	83.7	76.2	65.3	54.0	42.5	62.3
NC	Charlotte . . . . .	49.0	53.0	62.3	71.2	78.3	85.8	88.9	87.7	81.9	72.0	62.6	52.3	70.4
	Raleigh . . . . .	48.9	52.6	62.1	71.7	78.6	85.0	88.0	86.8	81.1	71.6	62.6	52.7	70.1
ND	Bismarck . . . . .	20.2	26.4	38.5	54.9	67.8	77.1	84.4	82.7	70.8	58.7	39.3	24.5	53.8
OH	Cincinnati . . . . .	36.6	40.8	53.0	64.2	74.0	82.0	85.5	84.1	77.9	66.0	53.3	41.5	63.2
	Cleveland . . . . .	31.9	35.0	46.3	57.9	68.6	78.3	82.4	80.5	73.6	62.1	50.0	37.4	58.7
	Columbus . . . . .	34.1	38.0	50.5	62.0	72.3	80.4	83.7	82.1	76.2	64.5	51.4	39.2	61.2
OK	Oklahoma City . . . . .	46.7	52.1	62.0	71.9	79.1	87.3	93.4	92.5	83.8	73.6	60.4	49.9	71.1
OR	Portland . . . . .	45.4	51.0	56.0	60.6	67.1	74.0	79.9	80.3	74.6	64.0	52.6	45.6	62.6
PA	Philadelphia . . . . .	37.9	41.0	51.6	62.6	73.1	81.7	86.1	84.6	77.6	66.3	55.1	43.4	63.4
	Pittsburgh . . . . .	33.7	36.9	49.0	60.3	70.6	78.9	82.6	80.8	74.3	62.5	50.4	38.6	59.9
RI	Providence . . . . .	36.6	38.3	46.1	57.0	67.3	76.9	82.1	80.7	74.3	64.1	53.0	41.2	59.8
SC	Columbia . . . . .	55.3	59.3	68.2	76.5	83.5	88.8	91.6	90.1	85.1	76.3	67.8	58.8	75.1
SD	Sioux Falls . . . . .	24.3	29.6	42.3	59.0	70.7	80.5	86.3	83.3	73.1	61.2	43.4	28.0	56.8
TN	Memphis . . . . .	48.5	53.5	63.2	73.3	81.0	89.3	92.3	90.8	83.9	74.3	62.3	52.5	72.1
	Nashville . . . . .	45.9	50.8	61.2	70.8	78.8	86.5	89.5	88.4	82.5	72.5	60.4	50.2	69.8
TX	Dallas-Fort Worth . . . . .	54.1	58.9	67.8	76.3	82.9	91.9	96.5	96.2	87.8	78.5	66.8	57.5	76.3
	El Paso . . . . .	56.1	62.2	69.9	78.7	87.1	96.5	96.1	93.5	87.1	78.4	66.4	57.5	77.5
	Houston . . . . .	61.0	65.3	71.1	76.4	84.6	90.1	92.7	92.5	88.4	81.6	72.4	64.7	78.6
UT	Salt Lake City . . . . .	36.4	43.6	52.2	61.3	71.9	82.8	92.2	89.4	79.2	66.1	50.8	37.8	63.6
VT	Burlington . . . . .	25.1	27.5	39.3	53.6	67.2	75.8	81.2	77.9	69.0	57.0	44.0	30.4	54.0
VA	Norfolk . . . . .	47.3	49.7	57.9	66.9	75.3	82.9	86.4	85.1	79.6	69.5	61.2	52.2	67.8
	Richmond . . . . .	45.7	49.2	59.5	70.0	77.8	85.1	88.4	87.1	80.9	70.7	61.3	50.2	66.8
WA	Seattle-Tacoma . . . . .	45.0	49.5	52.7	57.2	63.9	69.9	75.2	75.2	69.3	59.7	50.5	45.1	59.4
	Spokane . . . . .	33.2	40.6	47.7	57.0	65.9	74.7	83.1	82.5	72.0	58.6	41.4	33.8	57.5
WV	Charleston . . . . .	41.2	45.3	56.7	66.8	75.5	83.1	85.7	84.4	78.8	68.2	57.3	46.0	65.8
WI	Milwaukee . . . . .	26.1	30.1	40.4	52.9	64.3	74.9	79.9	77.8	70.6	58.7	44.7	31.2	54.3
WY	Cheyenne . . . . .	37.7	40.5	44.9	54.7	64.6	74.4	82.2	80.0	71.1	60.0	46.8	38.8	58.0
PR	San Juan . . . . .	83.2	83.6	84.4	85.8	87.2	88.6	88.5	88.7	88.8	88.3	85.9	83.8	86.4

<sup>1</sup> City office data.Source: U.S. National Oceanic and Atmospheric Administration, *Climatology of the United States*, No. 81.

## No. 369. Normal Daily Minimum Temperature—Selected Cities

[In Fahrenheit degrees. Airport data except as noted. Based on standard 30-year period, 1961 through 1990]

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual avg.
AL	Mobile	40.0	42.7	50.1	57.1	64.4	70.7	73.2	72.9	68.7	57.3	49.1	43.1	57.4
AK	Juneau	19.0	22.7	26.7	32.1	38.9	45.0	48.1	47.3	42.9	37.2	27.2	22.6	34.1
AZ	Phoenix	41.2	44.7	48.8	55.3	63.9	72.9	81.0	79.2	72.8	60.8	48.9	41.8	59.3
AR	Little Rock	29.1	33.2	42.2	50.7	59.0	67.4	71.5	69.8	63.5	50.9	41.5	33.1	51.0
CA	Los Angeles	47.8	49.3	50.5	52.8	56.3	59.5	62.8	64.2	63.2	59.2	52.8	47.9	55.5
	Sacramento	37.7	41.4	43.2	45.5	50.3	55.3	58.1	58.0	55.7	50.4	43.4	37.8	48.1
	San Diego	48.9	50.7	52.8	55.6	58.1	61.9	65.7	67.3	65.6	60.9	53.9	48.8	57.6
	San Francisco	41.8	45.0	45.8	47.2	49.7	52.6	53.9	55.0	55.2	51.8	47.1	42.7	49.0
CO	Denver	16.1	20.2	25.8	34.5	43.6	52.4	58.6	56.9	47.6	36.4	25.4	17.4	36.2
CT	Hartford	15.8	18.6	28.1	37.5	47.6	56.9	62.2	60.4	51.8	40.7	32.8	21.3	39.5
DE	Wilmington	22.4	24.8	33.1	41.8	52.2	61.6	67.1	65.9	58.2	45.7	37.0	27.6	44.8
DC	Washington	26.8	29.1	37.7	46.4	56.6	66.5	71.4	70.0	62.5	50.3	41.1	31.7	49.2
FL	Jacksonville	40.5	43.3	49.2	54.9	62.1	69.1	71.9	71.8	69.0	59.3	50.2	43.4	57.1
	Miami	59.2	60.4	64.2	67.8	72.1	75.1	76.2	76.7	75.9	72.1	66.7	61.5	69.0
GA	Atlanta	31.5	34.5	42.5	50.2	58.7	66.2	69.5	69.0	63.5	51.9	42.8	35.0	51.3
HI	Honolulu	65.6	65.4	67.2	68.7	70.3	72.2	73.5	74.2	73.5	72.3	70.3	67.0	70.0
ID	Boise	21.6	27.5	31.9	36.7	43.9	52.1	57.7	56.8	48.2	39.0	31.1	22.5	39.1
IL	Chicago	12.9	17.2	28.5	38.6	47.7	57.5	62.6	61.6	53.9	42.2	31.6	19.1	39.5
	Peoria	13.2	17.7	29.8	40.8	50.9	60.7	65.4	63.1	55.2	43.1	32.5	19.3	41.0
IN	Indianapolis	17.2	20.9	31.9	41.5	51.7	61.0	65.2	62.8	55.6	43.5	34.1	23.2	42.4
IA	Des Moines	10.7	15.6	27.6	40.0	51.5	61.2	66.5	63.6	54.5	42.7	29.9	16.1	40.0
KS	Wichita	19.2	23.7	33.6	44.5	54.3	64.6	69.9	67.9	59.2	46.6	33.9	23.0	45.0
KY	Louisville	23.2	26.5	36.2	45.4	54.7	62.9	67.3	65.8	58.7	45.8	37.3	28.6	46.0
LA	New Orleans	41.8	44.4	51.6	58.4	65.2	70.8	73.1	72.8	69.5	58.7	51.0	44.8	58.5
ME	Portland	11.4	13.5	24.5	34.1	43.4	52.1	58.3	57.1	48.9	38.3	30.4	17.8	35.8
MD	Baltimore	23.4	25.9	34.1	42.5	52.6	61.8	66.8	65.7	58.4	45.9	37.1	28.2	45.2
MA	Boston	21.6	23.0	31.3	40.2	49.8	59.1	65.1	64.0	56.8	46.9	38.3	26.7	43.6
MI	Detroit	15.6	17.6	27.0	36.8	47.1	56.3	61.3	59.6	52.5	40.9	32.2	21.4	39.0
MN	Sault Ste. Marie	4.6	4.8	15.3	28.4	38.4	45.5	51.3	51.3	44.3	36.2	25.9	11.8	29.8
	Duluth	-2.2	2.8	15.7	28.9	39.6	48.5	55.1	53.3	44.5	35.1	21.5	4.9	29.0
MIN	Minneapolis-St. Paul	2.8	9.2	22.7	36.2	47.6	57.6	63.1	60.3	50.3	38.8	26.2	10.2	35.3
MS	Jackson	32.7	35.7	44.1	51.9	60.0	67.1	70.5	69.7	63.7	50.3	42.3	36.1	52.0
MO	Kansas City	16.7	21.8	32.6	43.8	53.9	63.1	68.2	65.7	56.9	45.7	33.6	21.9	43.7
	St. Louis	20.8	25.1	35.5	46.4	56.0	65.7	70.4	67.9	60.5	48.3	37.7	26.0	46.7
MT	Great Falls	11.6	17.2	22.8	31.9	40.9	48.6	53.2	52.2	43.5	35.8	24.3	14.6	33.1
NE	Omaha	10.9	16.7	27.7	39.9	50.9	60.4	65.9	62.9	53.6	41.2	28.7	15.6	39.5
NV	Reno	20.7	24.2	29.2	33.3	40.1	46.9	51.3	49.6	41.3	32.9	26.7	19.9	34.7
NH	Concord	7.4	10.4	22.1	31.5	41.4	51.2	56.5	54.7	46.0	34.9	27.0	14.4	33.1
NJ	Atlantic City	21.4	23.5	31.3	39.3	49.6	58.7	64.8	63.5	55.5	43.7	35.8	26.3	42.8
NM	Albuquerque	21.7	26.4	32.2	39.6	48.6	58.3	64.4	62.6	55.2	43.0	31.2	23.1	42.2
NY	Albany	11.0	13.8	24.5	35.1	45.4	54.6	59.6	57.8	49.4	38.6	30.7	18.2	36.6
	Buffalo	17.0	17.4	25.9	36.2	47.0	56.5	61.9	60.1	53.0	42.7	33.9	22.9	39.5
NC	New York <sup>1</sup>	25.3	26.9	34.8	43.8	53.7	63.0	68.4	67.3	60.1	49.7	41.1	30.7	47.1
	Charlotte	29.6	31.9	39.4	47.5	56.4	65.6	69.6	68.9	62.9	50.6	41.5	32.8	49.7
	Raleigh	28.8	31.3	38.7	46.2	55.3	63.6	68.1	67.5	61.1	48.4	39.7	32.4	48.4
ND	Bismarck	-1.7	5.1	17.8	31.0	42.2	51.6	56.4	53.9	43.1	32.5	17.8	3.3	29.4
OH	Cincinnati	19.5	22.7	33.1	42.2	51.8	60.0	64.8	62.9	56.6	44.2	35.3	25.3	43.2
	Cleveland	17.6	19.3	28.2	37.3	47.3	56.8	61.4	60.3	54.2	43.5	35.0	24.5	40.5
	Columbus	18.5	21.2	31.2	40.0	50.1	58.0	62.7	60.8	54.8	42.9	34.3	24.6	41.6
OK	Oklahoma City	25.2	29.6	38.5	48.8	57.7	66.1	70.6	69.6	62.2	50.4	38.6	28.6	48.8
OR	Portland	33.7	36.1	38.6	41.3	47.0	52.9	56.5	56.9	52.0	44.9	39.5	34.8	44.5
PA	Philadelphia	22.8	24.8	33.2	42.1	52.7	61.8	67.2	66.3	58.7	46.4	37.6	28.1	45.1
	Pittsburgh	18.5	20.3	29.8	38.8	48.4	56.9	61.6	60.2	53.5	42.3	34.1	24.4	40.7
RI	Providence	19.1	20.9	28.8	37.7	47.3	56.8	63.2	61.9	53.8	43.0	34.9	24.4	41.0
SC	Columbia	32.1	34.2	42.2	49.4	58.2	66.0	70.0	69.2	63.2	50.1	41.5	34.9	50.9
	Sioux Falls	3.3	9.7	22.6	34.8	45.9	56.1	62.3	59.4	48.7	36.0	22.6	8.6	34.2
TN	Memphis	30.9	34.8	43.0	52.4	61.2	68.9	72.9	71.1	64.5	51.9	42.7	34.8	52.4
	Nashville	26.5	29.9	39.1	47.5	56.6	64.7	68.9	67.7	61.1	48.3	39.6	30.9	48.4
TX	Dallas-Fort Worth	32.7	36.9	45.6	54.7	62.6	70.0	74.1	73.6	66.9	55.8	45.4	36.3	54.6
	El Paso	29.4	33.9	40.2	48.0	56.5	64.3	68.4	66.6	61.6	49.6	38.4	30.7	49.0
	Houston	39.7	42.6	50.0	58.1	64.4	70.6	72.4	72.0	67.9	57.6	49.6	42.2	57.3
UT	Salt Lake City	19.3	24.6	31.4	37.9	45.6	55.4	63.7	61.5	50.1	40.2	30.9	21.6	40.3
VT	Burlington	7.5	8.9	22.0	34.2	45.4	54.6	59.7	57.9	48.8	38.6	29.6	15.5	35.2
VA	Norfolk	30.9	32.3	39.3	47.1	56.8	65.2	70.0	69.4	64.2	52.9	43.8	35.4	50.6
	Richmond	25.7	28.1	36.3	44.6	54.2	62.7	67.5	66.4	59.0	46.5	37.9	29.9	46.6
WA	Seattle-Tacoma	35.2	37.4	38.5	41.2	46.3	51.9	55.2	56.7	51.9	45.8	40.1	35.8	44.6
	Spokane	20.8	25.9	29.6	34.7	41.9	49.2	54.4	54.3	45.8	36.0	28.8	21.7	36.9
WV	Charleston	23.0	25.7	35.0	42.8	51.5	59.8	64.4	63.4	56.5	44.2	36.3	28.0	44.2
WI	Milwaukee	11.6	15.9	26.2	35.8	44.8	55.0	62.0	60.8	52.8	41.8	30.7	17.5	37.9
WY	Cheyenne	15.2	18.1	22.1	30.1	39.4	48.3	54.6	52.8	43.7	33.9	23.7	16.7	33.2
PR	San Juan	70.8	70.6	71.6	72.9	74.5	76.1	76.8	76.7	76.2	75.5	74.0	72.4	74.0

<sup>1</sup> City office data.Source: U.S. National Oceanic and Atmospheric Administration, *Climatology of the United States*, No. 81.

## No. 370. Highest Temperature of Record—Selected Cities

(In Fahrenheit degrees. Airport data, except as noted. For period of record through 1990)

STATE	STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
AL	Mobile	49	84	82	90	94	100	102	104	102	99	93	87	81	104
AK	Juneau	46	57	55	59	71	82	86	90	83	72	61	56	54	90
AZ	Phoenix	53	88	92	100	105	113	122	118	116	118	107	93	88	122
AR	Little Rock	49	83	85	91	95	98	105	112	108	106	97	86	80	112
CA	Los Angeles	55	88	92	95	102	97	104	97	98	110	106	101	94	110
	Sacramento	40	70	76	88	93	105	115	114	109	108	101	87	72	115
	San Diego	50	88	88	93	98	96	101	95	98	111	107	97	88	111
	San Francisco	63	72	78	85	92	97	106	105	98	103	99	85	75	106
CO	Denver	56	73	76	84	89	96	104	104	101	101	97	88	79	104
CT	Hartford	36	65	73	87	96	97	100	102	101	99	91	81	74	102
DE	Wilmington	43	75	78	86	94	95	99	102	102	101	100	91	85	74
DC	Washington	49	79	82	89	95	97	101	104	103	101	101	94	86	104
FL	Jacksonville	49	85	88	91	95	100	103	105	102	100	96	88	84	105
	Miami	48	88	89	92	96	95	98	98	98	97	95	89	87	98
GA	Atlanta	42	79	80	85	93	95	101	105	102	98	95	84	77	105
HI	Honolulu	21	87	88	88	89	93	92	92	93	94	94	93	89	94
ID	Boise	51	63	70	81	92	98	109	111	110	102	91	74	65	111
IL	Chicago	32	65	71	88	91	93	104	102	100	99	91	78	71	104
	Peoria	51	70	72	86	92	93	105	103	103	100	90	81	71	105
IN	Indianapolis	51	71	74	85	89	93	102	104	102	100	90	81	74	104
IA	Des Moines	51	65	73	91	93	98	103	105	108	101	95	76	69	108
KS	Wichita	38	75	84	89	96	100	110	113	110	107	95	85	83	113
KY	Louisville	43	77	77	86	91	95	102	105	101	104	92	84	76	105
LA	New Orleans	44	83	85	89	92	96	100	101	102	101	92	87	84	102
ME	Portland	50	64	64	86	85	94	97	99	103	95	88	74	69	103
MD	Baltimore	40	75	79	87	94	98	100	104	105	100	92	83	77	105
MA	Boston	39	63	70	81	94	95	100	102	102	100	90	78	73	102
MI	Detroit	32	62	65	81	89	93	104	104	102	100	98	77	68	104
MN	Sault Ste. Marie	50	45	47	75	85	89	93	97	98	95	80	67	60	98
	Duluth	49	52	55	78	88	90	93	97	97	95	86	70	55	97
	Minneapolis-St. Paul	52	58	60	83	95	96	102	105	102	98	89	75	63	105
MS	Jackson	27	82	85	89	94	99	105	106	102	104	95	88	84	106
MO	Kansas City	18	69	76	86	93	93	92	105	107	109	102	92	82	109
	St. Louis	33	76	85	89	93	93	102	107	107	104	94	85	76	107
MT	Great Falls	53	62	68	78	89	93	101	105	106	98	91	76	69	106
NE	Omaha	54	69	78	89	97	99	105	114	110	104	96	80	72	114
NV	Reno	49	70	75	83	89	96	103	104	105	101	91	77	70	105
NH	Concord	49	68	66	85	95	97	98	102	101	98	90	80	68	102
NJ	Atlantic City	47	78	75	87	94	99	106	104	102	99	90	84	75	106
NM	Albuquerque	51	69	76	85	89	98	105	105	101	100	91	77	72	105
NY	Albany	44	62	67	86	92	94	99	100	99	100	89	82	71	100
	Buffalo	47	72	65	81	94	90	96	97	99	98	87	80	74	99
	New York <sup>1</sup>	122	72	75	86	96	99	101	106	104	102	94	84	72	106
NC	Charlotte	51	78	81	90	93	100	103	103	103	104	98	85	77	104
	Raleigh	46	79	84	92	95	97	104	105	105	104	98	88	79	105
ND	Bismarck	51	62	68	81	93	98	107	109	109	105	95	75	65	109
OH	Cincinnati	29	69	73	84	89	93	102	103	102	98	88	81	75	103
	Cleveland	49	73	69	83	88	92	104	103	102	101	90	82	77	104
	Columbus	51	74	73	85	89	94	102	100	101	100	90	80	76	102
OK	Oklahoma City	37	80	84	93	100	104	105	109	110	102	96	87	86	110
OR	Portland	50	63	71	80	87	100	100	107	107	105	92	73	64	107
PA	Philadelphia	49	74	74	87	94	96	100	104	101	100	96	81	72	104
	Pittsburgh	38	69	69	82	89	91	98	103	100	97	87	82	74	103
RI	Providence	37	66	72	80	98	94	97	100	104	100	86	78	70	104
SC	Columbia	43	84	84	91	94	101	107	107	107	101	90	83	83	107
SD	Sioux Falls	45	66	70	87	94	100	110	108	108	104	94	76	61	110
TN	Memphis	49	78	81	85	94	99	104	108	105	103	95	85	81	108
	Nashville	51	78	84	86	91	97	107	104	105	94	84	79	70	107
TX	Dallas-Fort Worth	37	88	88	96	95	103	113	110	108	106	102	89	88	113
	El Paso	51	80	89	89	98	104	111	112	108	104	96	87	80	112
	Houston	21	84	91	91	95	97	103	104	107	102	94	89	83	107
UT	Salt Lake City	62	62	69	78	85	93	104	107	104	100	89	75	67	107
VT	Burlington	47	63	62	84	91	93	97	99	101	94	85	75	65	101
VA	Norfolk	42	78	81	88	97	97	101	103	104	99	95	86	80	104
	Richmond	61	80	83	93	96	100	104	105	102	103	99	86	80	105
WA	Seattle-Tacoma	46	64	70	75	85	93	96	98	98	98	89	74	63	99
	Spokane	43	59	61	71	90	96	100	103	108	108	98	86	67	108
WV	Charleston	43	79	78	89	94	93	98	104	101	102	92	85	80	104
WI	Milwaukee	50	62	65	82	91	92	101	101	103	98	89	77	63	103
WY	Cheyenne	55	66	71	74	82	90	100	100	96	93	83	73	69	100
PR	San Juan	36	92	96	96	97	96	97	95	97	97	98	96	94	98

<sup>1</sup> City office data.

Source: U.S. National Oceanic and Atmospheric Administration, Comparative Climatic Data, annual.

## No. 371. Lowest Temperature of Record—Selected Cities

[In Fahrenheit degrees. Airport data, except as noted. For period of record through 1990]

STATE	STATION	Length of record (yr.)	Lowest Temperature of Record—Selected Cities												
			Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
AL	Mobile . . . . .	49	3	11	21	32	43	49	60	59	42	32	22	8	3
AK	Juneau . . . . .	46	-22	-22	-15	6	25	31	36	27	23	11	-5	-21	-22
AZ	Phoenix . . . . .	53	17	22	25	32	40	50	61	60	47	34	25	22	17
AR	Little Rock . . . . .	49	-4	-5	11	28	40	46	54	52	37	29	17	-1	-5
CA	Los Angeles . . . . .	55	23	32	34	39	43	48	49	51	47	41	34	32	23
	Sacramento . . . . .	40	23	23	26	32	36	41	48	49	43	36	26	18	18
	San Diego . . . . .	50	29	36	39	41	48	51	55	57	51	43	38	34	29
	San Francisco . . . . .	63	24	25	30	31	36	41	43	42	38	34	25	20	20
CO	Denver . . . . .	56	-25	-30	-11	-2	22	30	43	41	17	3	-8	-25	-30
CT	Hartford . . . . .	36	-26	21	-6	9	28	37	44	36	30	17	1	-14	-26
DE	Wilmington . . . . .	43	-14	-6	2	18	30	41	48	43	36	24	14	-7	-14
DC	Washington . . . . .	49	-5	4	11	24	34	47	54	49	39	29	16	1	-5
FL	Jacksonville . . . . .	49	7	19	23	34	45	47	61	63	48	36	21	11	7
	Miami . . . . .	48	30	32	32	46	53	60	69	68	51	39	30	30	30
GA	Atlanta . . . . .	42	-8	5	10	26	37	46	53	55	36	28	3	-8	-8
HI	Honolulu . . . . .	21	53	53	55	57	60	65	66	67	66	64	57	54	53
ID	Boise . . . . .	51	-17	-15	6	19	22	31	35	37	23	11	-3	-25	-25
IL	Chicago . . . . .	32	-27	-17	-8	7	24	36	40	41	28	17	1	-25	-27
	Peoria . . . . .	51	-25	-18	10	14	25	39	47	41	26	19	-2	-23	-25
IN	Indianapolis . . . . .	51	-22	-21	-7	16	28	39	44	41	28	17	-2	-23	-23
IA	Des Moines . . . . .	51	-24	-20	-22	9	30	38	47	40	26	14	-3	22	24
KS	Wichita . . . . .	38	-12	-21	-2	15	31	43	51	48	31	21	1	-16	-21
KY	Louisville . . . . .	43	-20	-19	-1	22	31	42	50	46	33	23	-1	-15	-20
LA	New Orleans . . . . .	44	14	19	25	32	41	50	60	60	42	35	24	11	11
ME	Portland . . . . .	50	-26	-39	-21	8	23	33	40	33	23	15	3	-21	-39
MD	Baltimore . . . . .	40	-7	3	6	20	32	40	50	45	35	25	13	-7	-7
MA	Boston . . . . .	39	-12	-4	6	16	34	45	50	47	38	28	15	-7	-12
MI	Detroit . . . . .	32	-21	-15	-4	10	25	36	41	38	29	17	9	-10	21
	Sault Ste. Marie . . . . .	50	-36	35	-24	-2	18	26	36	29	25	16	-10	-25	-36
MN	Duluth . . . . .	49	-39	-33	-29	5	17	27	35	32	22	8	-23	-34	-39
	Minneapolis-St. Paul . . . . .	52	-34	-28	-32	2	18	34	43	39	26	15	-17	-29	-34
MS	Jackson . . . . .	27	2	11	15	27	38	47	51	55	35	29	17	4	2
MO	Kansas City . . . . .	18	-17	-19	-10	12	30	42	52	43	33	21	1	-23	-23
	St. Louis . . . . .	33	-18	-10	-5	22	31	43	51	47	36	23	1	16	18
MT	Great Falls . . . . .	53	-37	-35	-29	-6	15	31	40	35	21	-9	-25	-43	-43
NE	Omaha . . . . .	54	-23	-21	-16	5	27	38	44	43	25	13	9	23	23
NV	Reno . . . . .	49	-16	-16	-2	13	18	25	33	30	20	8	1	-16	-16
NH	Concord . . . . .	49	-33	-37	-16	8	21	30	35	29	21	10	-5	-22	-37
NJ	Atlantic City . . . . .	47	-10	-11	5	12	25	37	42	40	32	20	10	-7	-11
NM	Albuquerque . . . . .	51	-17	-5	8	19	28	40	52	52	37	25	-7	-7	-17
NY	Albany . . . . .	44	-28	-21	-21	10	26	36	40	34	24	16	5	-22	-28
	Buffalo . . . . .	47	-16	-20	-7	12	26	35	43	38	32	20	9	-10	-20
NC	New York . . . . .	122	-6	-15	3	12	32	44	52	50	39	28	5	13	15
	Charlotte . . . . .	51	-5	5	4	24	32	45	53	53	39	24	11	2	-5
ND	Raleigh . . . . .	46	-9	5	11	23	31	38	48	46	37	19	11	4	-9
	Bismarck . . . . .	51	-44	-39	-31	-12	15	30	35	33	11	5	-30	-43	-44
OH	Cincinnati . . . . .	29	-25	-11	-11	17	27	39	47	43	33	16	1	-20	-25
	Cleveland . . . . .	49	-19	-15	-5	10	25	31	41	38	32	19	3	15	19
	Columbus . . . . .	51	-19	-13	-6	14	25	35	43	39	31	20	5	-17	-19
OK	Oklahoma City . . . . .	37	-4	3	3	20	37	47	53	51	36	22	11	-8	-8
OR	Portland . . . . .	50	2	-3	19	29	29	39	43	44	34	26	13	6	-3
PA	Philadelphia . . . . .	49	-7	-4	7	19	28	44	51	44	35	25	15	1	-7
	Pittsburgh . . . . .	38	-18	-12	-1	14	26	34	42	39	31	16	-1	-12	-18
RI	Providence . . . . .	37	-13	7	1	14	29	41	48	40	33	20	6	10	13
SC	Columbia . . . . .	43	-1	5	4	26	34	44	54	53	40	23	12	4	-1
SD	Sioux Falls . . . . .	45	-36	-31	-23	5	17	33	38	34	22	9	-17	-28	-36
TN	Memphis . . . . .	49	-4	11	12	29	38	48	52	48	36	25	9	13	-13
	Nashville . . . . .	51	-17	-13	2	23	34	42	51	47	36	26	-1	-10	-17
TX	Dallas-Fort Worth . . . . .	37	4	7	15	29	41	51	59	56	43	29	20	1	-1
	El Paso . . . . .	51	-8	14	23	31	45	57	56	41	25	1	5	-8	-8
	Houston . . . . .	21	12	20	22	31	44	52	62	62	48	32	19	7	-7
UT	Salt Lake City . . . . .	62	-22	-30	2	14	25	35	40	37	27	16	-14	-21	-30
VT	Burlington . . . . .	47	-30	-30	-20	2	24	33	39	35	25	15	2	26	-30
VA	Norfolk . . . . .	42	-3	8	18	28	36	45	54	49	45	27	20	7	-3
	Richmond . . . . .	61	-12	-10	11	23	31	40	51	46	35	21	10	-1	-12
WA	Seattle-Tacoma . . . . .	46	1	11	29	28	38	43	44	35	28	6	6	-6	-
	Spokane . . . . .	43	-22	-17	-7	17	24	33	37	35	24	11	-21	-25	-25
WV	Charleston . . . . .	43	-15	-6	-	19	26	33	46	41	34	17	6	-12	-15
WI	Milwaukee . . . . .	50	-26	-19	-10	12	21	33	40	44	28	18	-5	-20	-26
WY	Cheyenne . . . . .	55	-29	-34	-21	8	16	25	38	36	8	2	-14	-28	-34
PR	San Juan . . . . .	36	61	62	60	64	66	69	69	70	69	67	66	63	60

- Represents zero. <sup>1</sup> City office data.

Source: U.S. National Oceanic and Atmospheric Administration, Comparative Climatic Data, annual.

**No. 372. Normal Monthly and Annual Precipitation—Selected Cities**

[In inches. Airport data, except as noted. Based on standard 30-year period, 1961 through 1990. See *Historical Statistics, Colonial Times to 1970*, series J 164-267, for related data]

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
AL	Mobile	4.76	5.46	6.41	4.48	5.74	5.04	6.85	6.96	5.91	2.94	4.10	5.31	63.96
AK	Juneau	4.54	3.75	3.28	2.77	3.42	3.15	4.16	5.32	6.73	7.84	4.91	4.44	54.31
AZ	Phoenix	0.67	0.68	0.88	0.22	0.12	0.13	0.83	0.96	0.86	0.65	0.66	1.00	7.66
AR	Little Rock	3.42	3.61	4.91	5.49	5.17	3.57	3.60	3.26	4.05	3.75	5.20	4.83	50.86
CA	Los Angeles	2.40	2.51	1.98	0.72	0.14	0.03	0.01	0.15	0.31	0.34	1.76	1.66	12.01
	Sacramento	3.73	2.87	2.57	1.16	0.27	0.12	0.05	0.07	0.37	1.08	2.72	2.51	17.52
	San Diego	1.80	1.53	1.77	0.79	0.19	0.07	0.02	0.10	0.24	0.37	1.45	1.57	9.90
	San Francisco	4.35	3.17	3.06	1.37	0.19	0.11	0.03	0.05	0.20	1.22	2.86	3.09	19.70
CO	Denver	0.50	0.57	1.28	1.71	2.40	1.79	1.91	1.51	1.24	0.98	0.87	0.64	15.40
CT	Hartford	3.41	3.23	3.63	3.85	4.12	3.75	3.19	3.65	3.79	3.57	4.04	3.91	44.14
DE	Wilmington	3.03	2.91	3.43	3.39	3.84	3.55	4.23	3.40	3.43	2.88	3.27	3.48	40.84
DC	Washington	2.72	2.71	3.17	2.71	3.66	3.38	3.80	3.91	3.31	3.02	3.12	3.12	38.63
FL	Jacksonville	3.31	3.93	3.68	2.77	3.55	5.69	5.60	7.93	7.05	2.90	2.19	2.72	51.32
	Miami	2.01	2.08	2.39	2.65	6.21	9.33	5.70	7.58	7.63	5.64	2.66	1.83	55.91
GA	Atlanta	4.75	4.81	5.77	4.26	4.29	3.56	5.01	3.66	3.42	3.05	3.86	4.33	50.77
HI	Honolulu	3.55	2.21	2.20	1.54	1.13	0.50	0.59	0.44	0.78	2.28	3.00	3.80	22.02
ID	Boise	1.45	1.07	1.29	1.24	1.08	0.81	0.35	0.43	0.80	0.75	1.48	1.36	12.11
IL	Chicago	1.53	1.36	2.69	3.64	3.32	3.78	3.66	4.22	3.82	2.41	2.92	2.47	35.82
	Peoria	1.51	1.42	2.91	3.77	3.70	3.99	4.20	3.10	3.87	2.65	2.69	2.44	36.25
IN	Indianapolis	2.32	2.46	3.79	3.70	4.00	3.49	4.47	3.64	2.87	2.63	3.23	3.34	39.94
IA	Des Moines	0.96	1.11	2.33	3.36	3.66	4.46	3.78	4.20	3.53	2.62	1.79	1.32	33.12
KS	Wichita	0.79	0.96	2.43	2.38	3.81	4.31	3.13	3.02	3.49	2.22	1.59	1.20	29.33
KY	Louisville	2.86	3.30	4.66	4.23	4.62	3.46	4.51	3.54	3.16	2.71	3.70	3.64	44.39
LA	New Orleans	5.05	6.01	4.90	4.50	4.56	5.84	6.12	6.17	5.51	3.05	4.42	5.75	61.88
ME	Portland	3.53	3.33	3.67	4.08	3.62	3.44	3.09	2.87	3.09	3.90	5.17	4.55	44.34
MD	Baltimore	3.05	3.12	3.38	3.09	3.72	3.67	3.69	3.92	3.41	2.98	3.32	3.41	40.76
MA	Boston	3.59	3.62	3.69	3.60	3.25	3.09	2.84	3.24	3.06	3.30	4.22	4.01	41.51
MI	Detroit	1.76	1.74	2.55	2.95	2.92	3.61	3.18	3.43	2.89	2.10	2.67	2.82	32.62
	Sault Ste. Marie	2.42	1.74	2.30	2.35	2.71	3.14	2.71	3.61	3.69	3.23	3.45	2.88	34.23
MN	Duluth	1.22	0.80	1.91	2.25	3.03	3.82	3.61	3.99	3.84	2.49	1.80	1.24	30.00
	Minneapolis-St. Paul	0.95	0.88	1.94	2.42	3.39	4.05	3.53	3.62	2.72	2.19	1.55	1.08	28.32
MS	Jackson	5.24	4.70	5.82	5.57	5.05	3.18	4.51	3.77	3.55	3.26	4.81	5.91	55.37
MO	Kansas City	1.09	1.10	2.51	3.12	5.04	4.72	4.38	4.01	4.86	3.29	1.92	1.58	37.62
	St. Louis	1.81	2.12	3.58	3.50	3.97	3.72	3.85	2.85	3.12	2.68	3.28	3.03	37.51
MT	Great Falls	0.91	0.57	1.10	1.41	2.52	2.39	1.24	1.54	1.24	0.78	0.66	0.85	15.21
NE	Omaha	0.74	0.77	2.04	2.66	4.52	3.87	3.51	3.24	3.72	2.28	1.49	1.02	29.86
NV	Reno	1.07	0.99	0.71	0.38	0.69	0.46	0.28	0.32	0.39	0.38	0.87	0.99	7.53
NH	Concord	2.51	2.53	2.72	2.91	3.14	3.15	3.23	3.32	2.81	3.23	3.66	3.16	36.37
NJ	Atlantic City	3.46	3.06	3.62	3.56	3.33	2.64	3.83	4.14	2.93	2.82	3.58	3.32	40.29
NM	Albuquerque	0.44	0.46	0.54	0.52	0.50	0.59	1.37	1.64	1.00	0.89	0.43	0.50	8.88
NY	Albany	2.36	2.27	2.93	2.99	3.41	3.62	3.18	3.47	2.95	2.83	3.23	2.93	36.17
	Buffalo	2.70	2.31	2.68	2.87	3.14	3.55	3.08	4.17	3.49	3.09	3.83	3.67	38.58
NC	New York <sup>1</sup>	3.42	3.27	4.08	4.20	4.42	3.67	4.35	4.01	3.89	3.56	4.47	3.91	47.25
	Charlotte	3.71	3.84	4.43	4.68	3.82	3.39	3.92	3.73	3.50	3.36	3.23	3.48	43.09
	Raleigh	3.48	3.69	3.77	2.59	3.92	3.68	4.01	4.02	3.19	2.86	2.98	3.24	41.43
ND	Bismarck	0.45	0.43	0.77	1.67	2.18	2.72	2.14	1.72	1.49	0.90	0.49	0.51	15.47
OH	Cincinnati	2.59	2.69	4.24	3.75	4.28	3.84	4.24	3.35	2.88	2.86	3.46	3.15	41.33
	Cleveland	2.04	2.19	2.91	3.14	3.49	3.70	3.52	3.40	3.44	2.54	3.17	3.09	36.63
	Columbus	2.18	2.24	3.27	3.21	3.93	4.04	4.31	3.72	2.96	2.15	3.22	2.86	38.09
OK	Oklahoma City	1.13	1.56	2.71	2.77	5.22	4.31	2.61	2.60	3.84	3.23	1.98	1.40	33.36
OR	Portland	5.35	3.85	3.56	2.39	2.06	1.48	0.63	1.09	1.75	2.67	5.34	6.13	36.30
PA	Philadelphia	3.21	2.79	3.46	3.62	3.75	3.74	4.28	3.80	3.42	2.62	3.34	3.38	41.41
	Pittsburgh	2.54	2.39	3.41	3.15	3.59	3.71	3.75	3.21	2.97	2.38	2.85	2.92	36.85
RI	Providence	3.88	3.61	4.05	4.11	3.76	3.33	3.18	3.63	3.48	3.69	4.43	4.38	45.53
SC	Columbia	4.42	4.12	4.82	3.28	3.68	4.80	5.50	6.09	3.67	3.04	2.90	3.59	49.91
SD	Sioux Falls	0.51	0.64	1.64	2.52	3.03	3.40	2.68	2.85	3.02	1.78	1.09	0.70	23.86
TN	Memphis	3.73	4.35	5.41	5.46	4.98	3.57	3.79	3.43	3.53	3.01	5.10	5.74	52.10
	Nashville	3.58	3.81	4.85	4.37	4.88	3.57	3.97	3.46	3.46	2.62	4.12	4.61	47.80
TX	Dallas-Fort Worth	1.83	2.18	2.77	3.50	4.88	2.98	2.31	2.21	3.39	3.52	2.29	1.84	33.70
	El Paso	0.40	0.41	0.29	0.20	0.25	0.67	1.54	1.58	1.70	0.76	0.44	0.57	8.81
	Houston	3.29	2.96	2.92	3.21	5.24	4.96	3.60	3.49	4.89	4.27	3.79	3.45	46.07
UT	Salt Lake City	1.11	1.23	1.91	2.12	1.80	0.93	0.81	0.86	1.28	1.44	1.29	1.40	16.18
VT	Burlington	1.82	1.63	2.23	2.76	3.12	3.47	3.65	4.06	3.30	2.88	3.13	2.42	34.47
VA	Norfolk	3.78	3.47	3.70	3.06	3.81	3.82	5.06	4.81	3.90	3.15	2.85	3.23	44.64
	Richmond	3.24	3.16	3.61	2.96	3.84	3.62	5.03	4.40	3.34	3.53	3.17	3.26	43.16
WA	Seattle-Tacoma	5.38	3.99	3.54	2.33	1.70	1.50	0.76	1.14	1.88	3.23	5.83	5.91	37.19
	Spokane	1.98	1.49	1.49	1.18	1.41	1.26	0.67	0.72	0.73	0.99	2.15	2.42	16.49
WV	Charleston	2.91	3.04	3.63	3.31	3.94	3.59	4.99	4.01	3.24	2.89	3.59	3.39	42.53
WI	Milwaukee	1.60	1.45	2.67	3.50	2.84	3.24	3.47	3.53	3.38	2.41	2.51	2.33	32.93
WY	Cheyenne	0.40	0.39	1.03	1.37	2.39	2.08	2.09	1.69	1.27	0.74	0.53	0.42	14.40
PR	San Juan	2.81	2.15	2.35	3.76	5.93	4.00	4.37	5.32	5.28	5.71	5.94	4.72	52.34

<sup>1</sup> City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Climatology of the United States*, No. 81.

**No. 373. Average Number of Days With Precipitation of .01 Inch or More—Selected Cities**

[Airport data, except as noted. For period of record through 1990, except as noted]

STATE	STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
AL	Mobile	49	11	10	10	7	8	11	16	14	10	6	8	10	122
AK	Juneau	46	18	17	18	17	17	16	17	17	20	24	20	21	220
AZ	Phoenix	51	4	4	4	2	1	1	4	5	3	3	3	4	36
AR	Little Rock	48	9	9	10	10	10	8	8	7	7	7	8	9	104
CA	Los Angeles	55	6	6	6	3	1	(Z)	1	(Z)	1	1	2	4	35
	Sacramento	51	10	9	9	5	3	1	(Z)	(Z)	1	1	2	5	57
	San Diego	50	7	6	7	5	2	1	(Z)	1	1	1	2	6	42
	San Francisco	63	11	10	10	6	3	1	(Z)	(Z)	1	1	4	7	62
CO	Denver	56	6	6	9	9	11	9	9	9	6	5	5	5	89
CT	Hartford	36	11	10	11	11	12	11	10	10	9	8	11	12	127
DE	Wilmington	43	11	10	11	11	12	10	9	9	8	8	9	10	116
DC	Washington	49	10	9	11	10	11	8	10	9	8	7	8	9	112
FL	Jacksonville	49	8	8	8	6	8	12	15	14	13	9	6	8	115
	Miami	48	6	6	6	6	10	15	16	17	17	14	8	7	129
GA	Atlanta	56	11	10	11	9	9	9	10	12	9	8	6	8	115
HI	Honolulu	41	10	9	9	9	7	6	7	6	7	9	9	10	99
ID	Boise	51	12	10	10	8	8	6	2	3	4	6	10	11	90
IL	Chicago	32	11	10	12	12	11	10	10	10	9	9	11	11	126
	Peoria	51	9	8	11	12	11	10	9	8	9	8	9	10	113
IN	Indianapolis	51	12	10	13	12	12	10	9	9	8	8	10	12	125
IA	Des Moines	51	7	7	10	10	11	11	9	9	9	8	7	8	107
KS	Wichita	37	5	5	8	8	11	9	7	8	8	6	5	6	86
KY	Louisville	43	11	11	13	12	12	10	11	8	8	8	10	11	124
LA	New Orleans	42	10	9	9	7	8	11	15	13	10	6	7	10	114
ME	Portland	50	11	10	11	12	13	11	10	9	8	9	12	11	128
MD	Baltimore	40	10	9	11	11	11	9	9	10	7	7	9	9	113
MA	Boston	39	11	10	12	11	12	11	10	9	9	10	11	12	126
MI	Detroit	32	13	11	13	13	11	10	9	9	10	10	12	14	135
	Sault Ste. Marie	49	19	15	13	11	11	12	10	11	13	13	17	20	166
MN	Duluth	49	12	10	11	10	12	13	11	11	12	9	11	12	134
	Minneapolis-St. Paul	52	9	7	10	10	11	12	10	10	9	8	8	9	114
MS	Jackson	27	11	9	10	8	9	8	10	10	8	6	8	10	109
MO	Kansas City	18	7	7	10	10	11	10	7	9	8	8	8	8	104
	St. Louis	33	8	8	11	11	11	9	9	8	8	8	9	9	111
MT	Great Falls	53	9	8	9	9	12	12	7	8	7	6	7	8	101
NE	Omaha	54	6	7	9	9	12	11	9	9	8	7	6	6	98
NV	Reno	48	6	6	6	4	4	3	2	2	2	3	5	6	51
NH	Concord	49	11	10	11	12	12	11	10	10	9	9	11	11	125
NJ	Atlantic City	47	11	10	11	11	10	9	9	9	8	7	9	10	112
NM	Albuquerque	51	4	4	5	3	4	4	4	9	9	6	5	3	61
NY	Albany	44	12	11	12	12	13	11	10	10	10	10	9	12	134
	Buffalo	47	20	17	16	14	12	11	10	10	11	12	16	20	169
NC	New York <sup>2</sup>	121	11	10	11	11	11	10	11	10	10	8	8	9	121
	Charlotte	51	10	10	11	9	10	10	11	10	11	7	7	8	111
	Raleigh	46	10	10	10	9	10	9	11	10	10	8	7	9	112
ND	Bismarck	51	8	7	8	8	10	12	9	9	7	6	6	8	96
OH	Cincinnati	43	12	11	13	12	11	11	10	9	8	8	11	12	129
	Cleveland	49	16	14	15	14	13	11	10	10	10	11	14	16	156
	Columbus	51	13	12	14	13	13	11	11	9	8	9	11	13	137
OK	Oklahoma City	51	5	6	7	8	10	9	6	6	7	6	5	5	82
OR	Portland	50	18	16	17	14	12	9	4	5	8	13	18	19	152
PA	Philadelphia	50	11	9	11	11	11	10	9	9	9	8	9	10	117
	Pittsburgh	38	16	14	16	14	13	12	11	10	9	9	11	13	154
RI	Providence	37	11	10	12	11	11	11	9	9	8	9	11	12	124
SC	Columbia	43	10	10	11	8	9	9	12	11	11	8	6	7	90
SD	Sioux Falls	45	6	6	9	9	11	11	9	9	8	6	6	6	97
TN	Memphis	40	10	10	11	10	9	8	9	9	8	7	6	6	106
	Nashville	49	11	11	12	11	11	9	9	10	9	8	7	9	119
TX	Dallas-Fort Worth	37	7	7	7	8	9	6	5	5	7	6	6	6	78
	El Paso	51	4	3	2	2	2	3	8	8	5	4	3	4	48
	Houston	21	10	8	9	7	8	9	9	9	9	7	9	9	104
UT	Salt Lake City	62	10	9	10	9	8	8	5	5	6	5	6	8	90
VT	Burlington	47	14	12	13	12	14	13	12	12	12	12	14	15	154
VA	Norfolk	42	10	10	11	10	10	9	11	11	8	8	8	9	115
	Richmond	53	10	9	11	9	11	9	11	10	8	8	7	8	113
WA	Seattle-Tacoma	46	19	16	17	14	10	9	5	6	9	13	18	19	156
	Spokane	43	14	11	11	9	9	8	4	5	6	8	13	15	113
WV	Charleston	43	15	14	15	14	13	11	13	11	10	9	10	12	151
WI	Milwaukee	50	11	10	12	12	12	11	10	9	9	9	10	11	125
WY	Cheyenne	55	6	6	9	10	12	11	11	10	7	6	6	6	99
PR	San Juan	35	17	13	12	13	17	16	19	19	17	17	18	19	196

Z Less than 1/2 day. <sup>1</sup> For period of record through 1988. <sup>2</sup> City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Comparative Climatic Data*, annual.

## No. 374. Snow and Ice Pellets—Selected Cities

[In Inches. Airport data, except as noted. For period of record through 1990. T denotes trace]

STATE	STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
AL	Mobile . . . . .	49	0.1	0.2	-	T	-	-	T	-	-	-	T	0.1	0.4
AK	Juneau . . . . .	46	25.9	18.8	15.5	3.7	-	T	-	-	T	1	12.3	22.2	99.4
AZ	Phoenix . . . . .	53	T	-	T	T	-	-	-	-	-	-	-	-	T
AR	Little Rock . . . . .	48	2.5	1.5	0.5	T	-	-	-	-	-	-	0.2	0.7	5.4
CA	Los Angeles . . . . .	55	1	T	T	-	-	-	-	-	-	-	-	T	T
	Sacramento . . . . .	42	T	-	T	-	-	-	-	-	-	-	-	T	T
	San Diego . . . . .	50	T	-	T	-	-	-	-	-	-	-	T	T	T
	San Francisco . . . . .	63	-	T	T	-	-	-	-	-	-	-	-	-	T
CO	Denver . . . . .	56	7.9	7.5	12.8	9.0	1.7	-	T	T	1.6	3.7	8.2	7.4	59.8
CT	Hartford . . . . .	36	12.3	11.6	9.5	1.6	-	-	-	-	-	0.1	2.1	10.6	47.8
DE	Wilmington . . . . .	43	6.8	6.2	3.2	0.2	T	-	T	-	-	0.1	1	3.5	21.0
DC	Washington . . . . .	47	5.5	5.4	2.1	-	T	-	T	-	-	0.9	3.2	17.1	
FL	Jacksonville . . . . .	49	T	-	-	-	-	T	-	-	-	-	-	-	T
	Miami . . . . .	48	-	-	-	-	-	-	-	-	-	-	-	-	-
GA	Atlanta . . . . .	56	0.9	0.5	0.4	T	-	-	-	-	-	-	-	0.2	2
HI	Honolulu . . . . .	44	-	-	-	-	-	-	-	-	-	-	-	-	-
ID	Boise . . . . .	51	6.8	3.6	1.8	0.7	0.1	T	T	T	-	0.1	2.2	6	21.3
IL	Chicago . . . . .	32	10.7	8.5	6.6	1.7	0.1	-	T	T	T	0.5	2.0	8.6	38.7
	Peoria . . . . .	47	6.5	5.5	4.1	0.9	-	-	T	T	-	0.1	2.0	6.0	25.1
IN	Indianapolis . . . . .	59	6.1	5.8	3.5	0.5	-	-	T	-	-	0.2	1.8	5.0	22.9
IA	Des Moines . . . . .	51	8.1	7.3	6.5	2	-	-	-	-	T	0.2	2.7	6.9	33.7
KS	Wichita . . . . .	37	4.7	4.4	2.6	0.3	T	T	-	-	-	-	1.2	3.4	16.6
KY	Louisville . . . . .	43	5.4	4.4	3.3	0.1	T	-	-	-	-	-	1.1	2.2	16.5
LA	New Orleans . . . . .	44	-	0.1	T	T	T	-	-	-	-	T	0.1	0.2	
ME	Portland . . . . .	50	19.4	17.5	12.4	2.9	0.2	-	-	-	T	0.2	3.1	14.7	70.4
MD	Baltimore . . . . .	40	6.1	6.7	3.7	0.1	T	-	-	-	-	-	1.1	3.6	21.3
MA	Boston . . . . .	55	12.2	11.4	7.4	0.9	-	-	-	-	T	0.2	3.1	10.6	40.7
MI	Detroit . . . . .	32	10.0	9.1	6.8	1.7	T	-	-	-	T	0.1	2.3	15.3	30
	Sault Ste. Marie . . . . .	49	28.6	19.3	15.2	5.5	0.5	T	-	-	T	0.1	15.3	30	116.8
MN	Duluth . . . . .	47	16.9	11.3	13.8	6.4	0.7	-	-	-	T	-	1.3	11	76.9
	Minneapolis-St. Paul . . . . .	52	9.9	8.4	10.9	3	0.1	T	-	-	T	-	0.4	7.1	9.4
MS	Jackson . . . . .	27	0.6	0.2	0.2	-	-	-	-	-	-	-	-	1	1
MO	Kansas City . . . . .	56	5.7	4.4	3.7	0.7	T	T	-	-	-	-	1	4.5	20
	St. Louis . . . . .	54	5.3	4.5	4.3	0.4	T	T	-	-	-	T	1.4	4	19.9
MT	Great Falls . . . . .	53	9.9	8.5	10.4	7.3	1.8	0.3	T	T	1.6	3.1	7.5	8.9	59.3
NE	Omaha . . . . .	55	7.3	6.8	6.6	0.8	0.1	T	-	-	T	0.3	2.5	5.7	30.1
NV	Reno . . . . .	48	5.8	5.2	4.6	1.3	0.9	-	-	-	T	0.4	2.2	4.3	24.7
NH	Concord . . . . .	49	18.1	14.7	10.6	2.3	0.1	-	-	-	T	0.1	4.0	13.7	63.6
NJ	Atlantic City . . . . .	46	5.3	5.5	2.7	0.4	T	-	-	-	T	0.4	2.3	16.6	
NM	Albuquerque . . . . .	51	2.5	2.2	1.9	0.6	-	T	T	T	T	0.1	1.1	2.6	11.0
NY	Albany . . . . .	44	16.5	14.3	10.9	2.8	0.1	-	T	-	T	0.2	4.3	15.2	64.3
	Buffalo . . . . .	47	23.8	18.5	11.1	3.2	0.3	T	-	-	T	0.2	11.4	22.8	91.3
	New York <sup>1</sup> . . . . .	122	7.6	8.5	5.0	0.9	T	-	T	-	-	-	0.9	5.5	28.4
NC	Charlotte . . . . .	51	2.1	1.8	1.3	-	-	-	-	-	-	-	0.1	0.5	5.8
	Raleigh . . . . .	46	2.4	2.7	1.4	-	-	-	-	-	-	-	0.1	0.8	7.4
ND	Bismarck . . . . .	51	7.2	6.7	8.3	3.8	0.8	T	T	T	T	0.3	1.3	5.8	41.1
OH	Cincinnati . . . . .	43	7.0	5.4	4.3	0.5	-	-	-	-	-	0.2	2.1	4.0	23.5
	Cleveland . . . . .	49	12.3	11.7	10.3	2.4	0.1	-	-	T	T	0.6	5.0	11.9	54.3
	Columbus . . . . .	43	8.3	6.2	4.5	1	-	T	-	-	T	-	2.3	5.7	28.0
OK	Oklahoma City . . . . .	51	3.1	2.6	1.4	-	T	-	-	-	T	-	0.5	1.8	9.4
OR	Portland . . . . .	50	3.4	0.9	0.5	T	-	T	-	T	T	-	0.5	1.4	6.7
PA	Philadelphia . . . . .	48	6.6	6.5	3.6	0.3	T	-	-	-	T	-	0.7	3.6	21.3
	Pittsburgh . . . . .	38	11.6	9.4	8.1	1.8	0.1	T	-	-	T	0.2	3.4	8.2	42.8
RI	Providence . . . . .	37	9.8	9.8	7.4	0.7	0.2	-	-	-	T	0.1	1.1	7.1	36.2
SC	Columbia . . . . .	43	0.5	0.9	0.2	T	-	-	-	-	T	-	0.5	0.2	1.8
SD	Sioux Falls . . . . .	45	6.5	8.0	9.7	2.3	-	T	-	-	-	0.5	5.2	7.4	39.6
TN	Memphis . . . . .	40	2.5	1.4	0.9	1	T	-	-	-	T	-	0.1	0.7	5.6
	Nashville . . . . .	49	4.0	3.1	1.4	-	-	-	-	T	T	0.5	1.6	10.6	
TX	Dallas-Fort Worth . . . . .	37	1.3	1.0	0.2	T	T	-	-	-	-	-	0.1	0.3	2.9
	El Paso . . . . .	51	1.3	0.9	0.4	0.4	T	-	T	-	-	-	1.0	1.7	5.7
	Houston . . . . .	56	0.2	0.2	-	-	-	T	-	-	-	-	-	0.4	0.4
UT	Salt Lake City . . . . .	62	13.0	9.5	9.9	5.0	0.6	T	-	-	0.1	1.3	6.4	12	57.8
VT	Burlington . . . . .	47	18.8	16.5	12	3.6	0.2	-	T	-	T	0.2	6.8	18.7	76.8
VA	Norfolk . . . . .	42	2.8	3.0	1.1	-	-	T	-	-	-	-	-	0.9	7.8
	Richmond . . . . .	53	5.1	4.2	2.5	0.1	T	-	T	-	T	-	0.4	2.0	14.3
WA	Seattle-Tacoma . . . . .	46	5.3	1.7	1.4	0.1	T	-	T	-	T	-	1.3	2.5	12.3
	Spokane . . . . .	43	16.3	7.8	4.1	0.7	0.1	T	-	-	T	-	0.4	6.2	15.0
WV	Charleston . . . . .	43	10.6	8.8	4.6	0.9	-	T	T	T	T	0.1	2.2	5.0	32.2
WI	Milwaukee . . . . .	50	12.9	9.8	8.7	1.8	0.1	-	T	T	T	0.2	3.0	10.5	47.0
WY	Cheyenne . . . . .	55	6.2	5.9	12.4	9.0	3.5	0.2	T	T	0.8	3.6	6.8	6.2	54.6
PR	San Juan . . . . .	35	-	-	-	-	-	-	-	T	-	-	-	T	

- Represents zero or rounds to zero. <sup>1</sup> City office data.

Source: U.S. National Oceanic and Atmospheric Administration, Comparative Climatic Data, annual.

# Wind Speed, Minimum Temperature, Humidity

227

## No. 375. Sunshine, Average Wind Speed, Mean Number of Days Minimum Temperature Below 32 Degrees Fahrenheit, and Average Relative Humidity—Selected Cities

[Airport data, except as noted. For period of record through 1990, except as noted. M = morning. A = afternoon.]

STATE	STATION	AVERAGE PERCENTAGE OF POSSIBLE SUNSHINE		AVERAGE WIND SPEED (m.p.h.)			MINIMUM TEMPERATURE 32 DEGREES OR LESS		AVERAGE RELATIVE HUMIDITY (percent)							
		Length of record (yr.)	Annual	Length of record (yr.)	Annual	Jan.	July	Length of record (yr.)	Mean number (days)	Length of record (yr.)		Annual	Jan.	July		
										M	A	M	A	M	A	
AL	Mobile	140	159	42	9.0	10.4	7.0	28	23	28	86	57	81	61	89	60
AK	Juneau	33	30	45	8.3	8.3	7.5	46	142	24	84	73	80	77	83	70
AZ	Phoenix	95	86	45	6.3	5.3	7.2	30	8	30	51	23	66	32	45	20
AR	Little Rock	32	62	48	7.8	8.6	6.7	30	60	30	84	57	80	61	88	56
CA	Los Angeles	32	73	42	7.5	6.7	7.8	31	(Z)	31	79	64	69	59	86	68
	Sacramento	42	78	41	7.9	7.2	9.0	40	17	30	82	46	90	70	76	28
	San Diego	50	68	50	6.9	5.9	7.4	30	(Z)	30	76	62	70	56	82	66
	San Francisco	38	66	63	10.6	7.2	13.6	31	2	31	84	61	86	66	86	59
CO	Denver	41	70	42	8.7	8.3	8.3	30	157	30	67	40	63	49	68	34
CT	Hartford	36	57	36	8.5	9.0	7.5	31	135	31	76	52	71	56	78	51
DE	Wilmington	(NA)	(NA)	42	9.1	9.8	7.8	43	100	43	78	55	75	60	79	54
DC	Washington	42	56	42	9.4	10.0	8.2	30	71	30	74	53	69	55	76	53
FL	Jacksonville	39	63	41	8.0	8.2	7.1	49	15	54	88	56	87	57	88	58
GA	Miami	14	73	41	9.3	9.5	7.9	26	(Z)	26	84	61	84	59	84	63
HI	Honolulu	38	69	41	11.4	9.7	13.3	21	-	21	72	56	81	62	67	54
ID	Boise	48	64	51	8.8	8.0	8.4	51	124	51	68	43	80	70	54	22
IL	Chicago	10	55	32	10.3	11.6	8.2	32	133	32	80	60	76	67	82	57
	Peoria	47	57	47	10.0	11.2	7.8	31	129	31	83	61	79	68	86	59
IN	Indianapolis	46	55	42	9.6	10.9	7.4	31	118	31	83	62	80	70	87	60
IA	Des Moines	40	59	41	10.9	11.7	9.0	29	135	29	79	60	75	67	82	57
KS	Wichita	37	65	37	12.3	12.2	11.3	37	111	37	80	55	79	62	78	48
KY	Louisville	43	56	43	8.4	9.7	6.7	30	89	30	81	58	76	64	85	58
LA	New Orleans	17	60	42	8.2	9.4	6.1	44	13	42	87	63	85	66	91	66
ME	Portland	50	57	50	8.8	9.2	7.6	50	157	50	79	59	76	61	80	59
MD	Baltimore	40	57	40	9.2	9.7	8.0	40	97	37	77	54	71	57	81	53
MA	Boston	55	58	33	12.5	13.9	11.0	26	98	26	72	58	67	57	74	57
MI	Detroit	25	53	32	10.4	12.0	8.5	32	136	32	81	60	80	69	82	53
MN	Sault Ste. Marie	49	47	49	9.3	9.8	7.8	49	181	49	85	67	81	75	89	61
MO	Duluth	40	52	41	11.1	11.6	9.4	29	185	29	81	63	76	70	85	59
MS	Minneapolis-St. Paul	52	58	52	10.6	10.5	9.4	31	156	31	78	59	74	67	80	54
MO	Jackson	26	60	27	7.4	8.2	5.9	27	50	27	91	58	67	64	93	59
MT	St. Louis	31	57	41	9.7	10.6	8.0	30	100	30	83	59	61	65	85	56
NE	Great Falls	46	61	49	12.8	15.3	10.1	29	157	29	66	45	66	60	65	29
NE	Omaha	54	60	54	10.6	10.9	8.9	26	141	26	81	59	78	65	84	57
NV	Reno	42	79	48	6.6	5.6	7.0	27	174	27	70	32	79	51	63	18
NH	Concord	49	54	48	6.7	7.2	5.7	25	173	25	81	54	75	58	84	52
NJ	Atlantic City	30	56	32	10.1	11.0	8.5	26	110	26	81	56	77	58	83	57
NM	Albuquerque	51	76	3	11.8	11.7	10.6	30	119	30	60	29	70	40	60	27
NY	Albany	52	52	52	8.9	9.8	7.4	25	149	25	80	57	77	63	81	55
	Buffalo	47	49	51	12.0	14.3	10.3	30	133	30	80	63	79	72	78	55
NC	New York <sup>2</sup>	104	58	58	9.4	10.7	7.6	77	80	61	72	56	68	60	75	55
NC	Charlotte	40	63	41	7.5	7.9	6.6	30	67	30	83	54	78	55	87	57
ND	Raleigh	36	59	41	7.8	8.5	6.7	26	78	26	85	54	78	55	89	58
OH	Bismarck	51	59	51	10.2	10.0	9.2	31	186	31	80	56	74	68	83	47
OK	Cincinnati	7	52	43	9.1	10.7	7.1	28	108	28	81	59	78	67	85	57
OK	Cleveland	47	49	49	10.6	12.3	8.6	30	124	30	79	62	77	69	81	57
OK	Columbus	39	49	41	8.5	10.1	6.6	31	119	31	80	59	76	67	84	56
OR	Oklahoma City	36	68	42	12.4	12.8	10.9	25	77	25	79	54	77	59	80	49
PA	Portland	41	48	42	7.9	9.9	7.6	50	43	50	86	60	86	76	82	45
PA	Philadelphia	48	56	50	9.5	10.3	8.1	31	97	31	76	55	73	59	79	54
PA	Pittsburgh	38	46	38	9.1	10.7	7.2	31	123	30	78	57	75	65	83	54
RI	Providence	37	58	37	10.6	11.2	9.5	27	119	27	75	55	70	56	77	56
SC	Columbia	37	64	42	6.9	7.2	6.3	24	61	24	87	51	82	54	89	54
SD	Sioux Falls	348	63	42	11.1	11.1	9.8	27	168	27	81	60	76	67	82	53
TN	Memphis	35	64	42	8.9	10.1	7.5	49	57	51	81	57	78	63	84	57
TX	Nashville	48	56	49	8.0	9.2	6.5	25	76	25	84	57	79	63	89	57
TX	Dallas-Fort Worth	12	64	37	10.8	11.2	9.6	27	40	27	82	56	79	59	80	48
TX	El Paso	48	83	48	8.9	8.4	8.3	30	65	30	57	27	65	34	62	29
UT	Houston	21	56	21	7.9	8.3	7.0	21	21	21	90	59	85	63	92	58
UT	Salt Lake City	52	66	61	8.9	7.7	9.6	31	125	31	67	43	79	69	52	22
VT	Burlington	47	49	47	8.9	9.7	7.9	26	156	25	77	59	71	63	78	53
VA	Norfolk	26	61	42	10.7	11.5	9.0	42	54	42	78	57	74	58	82	59
VA	Richmond	40	62	42	7.7	8.1	6.8	61	85	56	83	53	80	57	85	56
WA	Seattle-Tacoma	24	46	42	9.0	9.8	8.3	31	31	31	83	62	81	74	82	49
WA	Spokane	42	54	43	8.9	8.8	8.6	31	139	31	77	52	85	78	64	27
WV	Charleston	47	40	43	6.3	7.5	5.0	43	100	43	83	56	77	62	90	60
WI	Milwaukee	50	54	50	11.6	12.7	9.7	30	141	30	81	64	76	68	82	61
WY	Cheyenne	51	65	33	13.0	15.4	10.3	31	171	31	65	44	57	50	70	38
PR	San Juan	35	66	35	8.4	8.5	9.6	35	-	35	79	65	81	64	79	66

<sup>1</sup> Represents zero. <sup>2</sup> Less than one-half a day. NA Not available. <sup>3</sup> Recording site is in Montgomery, AL. <sup>4</sup> Recording site is in Rapid City, SD. <sup>5</sup> Recording site is in Elkins, WV.

**No. 376. Normal Monthly and Seasonal Heating Degree Days, 65 Degree Base—Selected Cities**

[Airport data, except as noted. Based on standard 30-year period, 1961 through 1990. Degree day normals are used to determine relative estimates of heating requirements for buildings. Each day that the average temperature for a day is below 65 degrees F. produces one heating degree day.]

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Seasonal
AL	Mobile	492	344	177	48	-	-	-	-	-	52	196	393	1,702
AK	Juneau	1,265	1,025	1,001	759	558	360	279	310	468	707	990	1,175	8,897
AZ	Phoenix	362	227	182	75	8	-	-	-	-	17	134	345	1,350
AR	Little Rock	803	599	384	133	25	-	-	-	8	128	387	688	3,155
CA	Los Angeles	258	215	224	158	96	54	9	5	22	32	127	258	1,458
	Sacramento	614	400	357	230	80	12	-	-	16	78	351	611	2,749
	San Diego	245	189	177	113	73	51	13	-	19	24	109	243	1,256
	San Francisco	505	358	363	287	218	121	92	68	79	135	306	484	3,016
CO	Denver	1,094	885	806	504	253	71	-	-	144	429	780	1,054	6,020
CT	Hartford	1,252	1,050	853	489	194	20	-	6	96	397	693	1,101	6,151
DE	Wilmington	1,066	885	691	384	122	-	-	-	35	288	561	905	4,937
DC	Washington	942	770	552	264	60	-	-	-	14	195	456	794	4,047
FL	Jacksonville	421	296	169	37	-	-	-	-	-	31	149	331	1,434
	Miami	88	51	14	-	-	-	-	-	-	6	41	200	-
GA	Atlanta	744	566	365	138	27	-	-	-	10	138	367	636	2,991
HI	Honolulu	-	-	-	-	-	-	-	-	-	-	-	-	-
ID	Boise	1,116	815	701	477	242	75	6	20	160	414	753	1,082	5,861
IL	Chicago	1,364	1,109	862	492	235	35	5	19	84	391	750	1,190	6,536
	Peoria	1,345	1,084	806	408	183	11	-	9	54	356	714	1,178	6,148
IN	Indianapolis	1,225	991	732	378	165	5	-	6	58	338	660	1,057	5,615
IA	Des Moines	1,414	1,128	859	428	165	10	-	11	71	372	780	1,259	6,497
KS	Wichita	1,101	846	608	278	102	5	-	-	29	221	609	992	4,791
KY	Louisville	1,032	820	580	273	105	6	-	-	36	254	537	871	4,514
LA	New Orleans	450	316	162	28	-	-	-	-	-	30	178	349	1,513
ME	Portland	1,370	1,168	992	651	363	100	11	39	189	512	789	1,194	7,378
MD	Baltimore	1,029	846	648	348	108	-	-	29	276	546	877	4,707	-
MA	Boston	1,128	972	818	507	221	32	-	6	72	321	591	973	5,641
MI	Detroit	1,305	1,109	908	531	243	36	-	16	102	435	744	1,138	6,569
MN	Sault Ste. Marie	1,615	1,428	1,271	804	457	224	92	128	300	611	960	1,426	9,316
	Duluth	1,798	1,476	1,259	792	445	170	60	113	329	660	1,098	1,618	9,818
MS	Minneapolis-St. Paul	1,649	1,319	1,054	558	244	41	11	22	167	502	954	1,460	7,981
MO	Jackson	656	485	265	87	7	-	-	-	6	104	295	542	2,467
	Kansas City	1,218	946	691	325	135	7	-	6	56	279	657	1,073	5,393
MT	St. Louis	1,107	871	617	266	111	-	-	-	21	237	564	964	4,758
	Great Falls	1,358	1,053	983	642	372	156	37	91	299	543	933	1,274	7,741
NE	Omaha	1,361	1,067	818	398	164	14	-	9	80	372	780	1,237	6,300
NV	Reno	995	756	688	492	274	76	13	20	178	440	741	1,001	5,674
NH	Concord	1,438	1,210	1,011	633	312	70	13	39	196	533	837	1,262	7,554
NJ	Atlantic City	1,057	896	729	450	167	12	-	-	53	324	576	905	5,169
NM	Albuquerque	955	700	561	301	89	-	-	-	18	259	621	921	4,425
NY	Albany	1,376	1,162	952	558	247	34	-	12	141	459	759	1,194	6,894
	Buffalo	1,283	1,134	967	594	279	59	5	17	130	431	735	1,113	6,747
NC	New York	1,039	879	701	375	125	-	-	-	34	250	522	880	4,805
	Charlotte	797	630	437	183	42	-	-	-	6	161	391	694	3,341
ND	Raleigh	809	644	458	193	47	-	-	-	9	189	414	694	3,457
	Bismarck	1,730	1,380	1,141	660	324	116	15	69	262	598	1,092	1,581	8,968
OH	Cincinnati	1,144	930	682	354	151	11	-	-	51	327	621	977	5,248
	Cleveland	1,246	1,058	859	522	250	40	-	11	99	387	672	1,057	6,201
OK	Columbus	1,197	991	747	420	187	23	-	12	81	361	663	1,026	5,708
OR	Oklahoma City	902	675	464	176	31	-	-	-	15	137	462	797	3,659
PA	Portland	787	599	549	420	249	91	28	35	102	326	567	769	4,522
	Philadelphia	1,073	896	701	378	123	5	-	-	32	283	558	905	4,954
RI	Pittsburgh	1,206	1,016	794	462	214	36	6	14	100	400	681	1,039	5,968
SC	Providence	1,150	988	856	528	246	31	-	8	90	359	630	998	5,884
SD	Columbia	665	514	317	108	18	-	-	-	5	138	223	561	2,649
TN	Sioux Falls	1,587	1,268	1,008	543	240	50	10	22	165	508	960	1,448	7,809
	Memphis	784	582	383	127	25	-	-	-	10	131	380	660	3,082
	Nashville	893	689	469	193	59	-	-	-	21	195	450	760	3,729
TX	Dallas-Fort Worth	670	484	286	75	-	-	-	-	-	51	275	566	2,407
	El Paso	668	473	316	110	7	-	-	-	-	88	378	648	2,708
UT	Houston	468	322	187	36	-	-	-	-	-	31	181	374	1,599
VT	Salt Lake City	1,150	865	719	464	215	51	-	-	108	373	726	1,094	5,765
VA	Burlington	1,510	1,310	1,063	633	282	58	6	29	199	533	846	1,302	7,771
	Norfolk	803	672	508	249	51	-	-	-	11	164	380	657	3,495
WA	Richmond	908	736	527	241	61	-	-	-	23	233	462	772	3,963
	Seattle-Tacoma	772	602	601	474	307	144	58	65	156	378	591	760	4,908
WV	Spokane	1,175	888	815	573	344	139	30	56	223	549	897	1,153	6,842
	Charleston	1,020	826	592	312	129	10	-	-	44	299	546	868	4,646
WI	Milwaukee	1,429	1,176	983	618	338	82	14	27	123	456	819	1,259	7,324
WY	Cheyenne	1,194	1,000	973	675	403	150	31	44	251	558	894	1,153	7,326
PR	San Juan	-	-	-	-	-	-	-	-	-	-	-	-	-

- Represents zero. <sup>1</sup> City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Climatology of the United States*, No. 81.

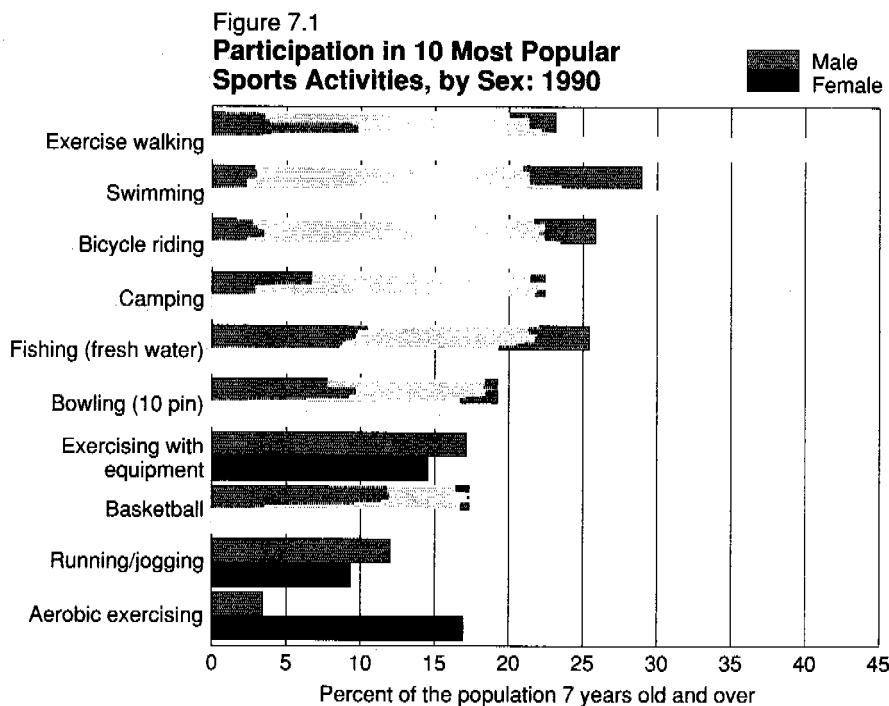
**No. 377. Normal Monthly and Seasonal Cooling Degree Days, 65 Degree Base—Selected Cities**

[Airport data, except as noted. Based on standard 30-year period, 1961 through 1990. Degree day normals are used to determine relative estimates of heating requirements for buildings. Each day that the average temperature for a day is above 65 degrees F. produces one cooling degree day.]

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual avg.	
AL	Mobile . . . . .	24	14	38	132	295	462	536	521	387	157	40	21	2,627	
AK	Juneau . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	
AZ	Phoenix . . . . .	8	22	85	222	436	696	884	822	618	311	41	7	4,162	
AR	Little Rock . . . . .	-	-	15	46	187	402	524	484	281	66	-	-	2,005	
CA	Los Angeles . . . . .	-	-	8	7	11	25	75	136	176	169	88	25	7	
	Sacramento . . . . .	-	-	-	-	29	89	210	332	313	211	53	-	1,237	
	San Diego . . . . .	9	10	9	23	45	105	199	240	211	107	19	7	984	
	San Francisco . . . . .	-	-	-	-	5	-	16	21	28	64	11	-	145	
CO	Denver . . . . .	-	-	-	-	-	11	128	267	203	63	7	-	679	
CT	Hartford . . . . .	-	-	-	-	-	27	125	270	210	45	-	-	677	
DE	Wilmington . . . . .	-	-	-	-	-	44	199	353	310	125	15	-	1,046	
DC	Washington . . . . .	-	-	-	-	-	9	104	318	465	419	203	31	-	1,549
FL	Jacksonville . . . . .	31	22	48	97	260	423	515	502	393	179	56	25	2,551	
	Miami . . . . .	156	149	221	306	425	492	546	552	507	412	264	168	4,198	
GA	Atlanta . . . . .	-	-	-	8	33	157	330	428	406	241	54	10	-	1,667
HI	Honolulu . . . . .	245	224	291	324	388	432	481	508	480	453	366	282	-	4,474
ID	Boise . . . . .	-	-	-	-	-	9	120	285	252	88	-	-	754	
IL	Chicago . . . . .	-	-	-	-	-	46	143	259	226	66	12	-	752	
	Peoria . . . . .	-	-	-	-	-	87	206	326	261	87	15	-	982	
IN	Indianapolis . . . . .	-	-	-	-	-	96	212	322	260	106	18	-	1,014	
IA	Des Moines . . . . .	-	-	-	-	5	81	214	360	287	74	15	-	1,036	
KS	Wichita . . . . .	-	-	-	20	121	326	508	443	188	22	-	-	1,628	
KY	Louisville . . . . .	-	-	-	-	12	115	252	378	335	171	25	-	1,288	
LA	New Orleans . . . . .	25	17	56	133	304	450	524	512	393	157	61	23	2,655	
ME	Portland . . . . .	-	-	-	-	-	-	22	123	111	12	-	-	268	
MD	Baltimore . . . . .	-	-	-	-	-	59	227	372	329	134	16	-	1,137	
MA	Boston . . . . .	-	-	-	-	-	10	113	264	220	66	5	-	678	
MI	Detroit . . . . .	-	-	-	-	-	38	116	231	186	48	7	-	626	
	Sault Ste. Marie . . . . .	-	-	-	-	-	8	14	55	54	-	-	-	131	
MN	Duluth . . . . .	-	-	-	-	-	-	14	94	72	-	-	-	180	
	Minneapolis-St. Paul . . . . .	-	-	-	-	-	43	137	278	192	32	-	-	682	
MS	Jackson . . . . .	8	6	28	75	224	414	512	493	333	94	19	9	2,215	
MO	Kansas City . . . . .	-	-	-	-	10	107	253	419	350	131	18	-	1,288	
	St. Louis . . . . .	-	-	-	17	145	312	459	391	177	33	-	-	1,534	
MT	Great Falls . . . . .	-	-	-	-	-	-	54	137	150	47	-	-	388	
NE	Omaha . . . . .	-	-	-	5	84	227	369	292	83	12	-	-	1,072	
NV	Reno . . . . .	-	-	-	-	10	79	217	162	40	-	-	-	508	
NH	Concord . . . . .	-	-	-	-	8	46	153	111	10	-	-	-	328	
NJ	Atlantic City . . . . .	-	-	-	-	25	144	301	260	86	10	-	-	826	
NM	Albuquerque . . . . .	-	-	-	7	64	279	419	338	126	11	-	-	1,244	
NY	Albany . . . . .	-	-	-	-	18	91	213	155	30	-	-	-	507	
	Buffalo . . . . .	-	-	-	-	19	86	194	141	37	-	-	-	477	
	New York <sup>1</sup> . . . . .	-	-	-	-	54	203	366	326	130	17	-	-	1,096	
NC	Charlotte . . . . .	-	-	-	15	116	321	443	412	228	47	-	-	1,582	
	Raleigh . . . . .	-	-	6	13	109	279	406	375	192	37	-	-	1,417	
ND	Bismarck . . . . .	-	-	-	-	14	98	183	171	22	-	-	-	488	
OH	Cincinnati . . . . .	-	-	-	-	86	191	313	266	120	20	-	-	996	
	Cleveland . . . . .	-	-	-	-	33	118	218	178	66	8	-	-	621	
	Columbus . . . . .	-	-	-	-	69	149	258	214	96	11	-	-	797	
OK	Oklahoma City . . . . .	-	-	9	38	136	351	527	499	255	44	-	-	1,859	
OR	Portland . . . . .	-	-	-	-	-	46	127	147	51	-	-	-	371	
PA	Philadelphia . . . . .	-	-	-	-	58	209	363	326	128	17	-	-	1,101	
	Pittsburgh . . . . .	-	-	-	-	44	123	227	184	67	9	-	-	654	
RI	Providence . . . . .	-	-	-	-	7	88	239	203	63	6	-	-	606	
SC	Columbia . . . . .	8	-	13	48	201	372	490	456	281	86	11	-	1,966	
SD	Sioux Falls . . . . .	-	-	-	-	35	149	298	220	42	-	-	-	744	
TN	Memphis . . . . .	-	-	14	64	217	423	546	496	286	72	-	-	2,118	
	Nashville . . . . .	-	-	10	19	143	318	443	406	225	52	-	-	1,616	
TX	Dallas-Fort Worth . . . . .	-	5	29	90	246	480	629	617	372	119	11	5	2,603	
	El Paso . . . . .	-	-	10	62	217	462	536	468	282	57	-	-	2,094	
	Houston . . . . .	16	11	50	135	295	462	546	536	396	174	61	18	2,700	
UT	Salt Lake City . . . . .	-	-	-	-	23	174	400	329	114	7	-	-	1,047	
VT	Burlington . . . . .	-	-	-	-	13	64	176	119	16	-	-	-	388	
VA	Norfolk . . . . .	-	-	-	9	85	277	409	378	218	46	-	-	1,422	
	Richmond . . . . .	-	-	-	10	92	270	403	366	173	34	-	-	1,348	
WA	Seattle-Tacoma . . . . .	-	-	-	-	-	21	64	81	24	-	-	-	190	
	Spokane . . . . .	-	-	-	-	-	49	148	161	40	-	-	-	398	
WV	Charleston . . . . .	-	-	-	6	83	202	313	276	125	26	-	-	1,031	
WI	Milwaukee . . . . .	-	-	-	-	16	82	197	160	24	-	-	-	479	
WY	Cheyenne . . . . .	-	-	-	-	-	39	136	87	23	-	-	-	285	
PR	San Juan . . . . .	372	339	403	432	493	519	546	549	525	524	450	406	5,558	

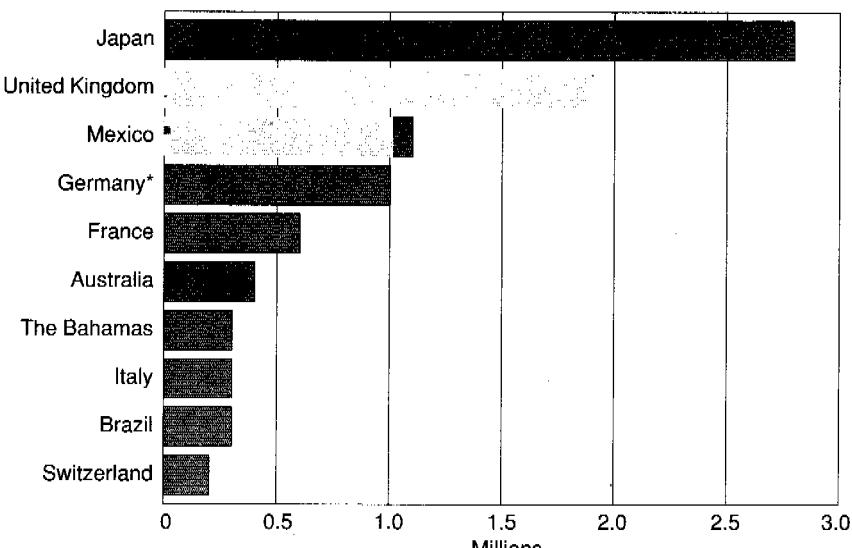
- Represents zero. <sup>1</sup> City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Climatology of the United States*, No. 81.



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 396.

**Figure 7.2**  
**Foreign Visitors for Pleasure Admitted, by Country of Last Residence—Top 10 Countries: 1990**



\*Former West Germany (prior to unification).

Source: Chart prepared by U.S. Bureau of the Census. For data, see table 410.

# Parks, Recreation, and Travel

This section presents data on national parks and forests, State parks, recreational activities, the arts and humanities, and domestic and foreign travel.

**Parks and recreation.**—The Department of the Interior has responsibility for administering the national parks. As part of this function, it issues reports relating to the usage of public parks for recreation purposes. The National Park Service publishes information on visits to national park areas in its annual report, *National Park Statistical Abstract. The National Parks: Index* (year) is a biannual report which has appeared under a variety of *Index* titles prior to 1985. Beginning with the 1985 edition, the report has appeared under the current title. The *Index* contains brief descriptions, with acreages, of each area administered by the Service, plus certain "related" areas. A statistical summary of Service-administered areas is also presented. The annual *Federal Recreation Fee Report* summarizes the prior year's recreation fee receipts and recreation visitation statistics for seven Federal land managing agencies.

Statistics for State parks are compiled by the National Association of State Park Directors which issues its annual *Information Exchange*. The Bureau of Land Management, in its *Public Land Statistics*, also issues data on recreational use of its lands. The Department of Agriculture's Forest Service, in its *Report of the Forest Service*, issues data on recreational uses of the national forests.

**Visitation.**—Data on visitation to reporting areas are collected by several different agencies and groups. The methodology used to collect these results may vary accordingly, from visual counts and estimates to the use of electromagnetic traffic counters. In using and comparing these data, one should also be aware of several different definitions that follow: Recreation visit, which is the entry of any person into an area for recreation purposes; nonrecreation visits, which include visits going to and from inholdings, through traffic, tradespeople and personnel with business in the area; and visitor hour, which constitutes the presence of a person in a recreation area or site for recreational purposes for periods of time aggregating 60 minutes.

## In Brief

Sales between 1990 and 1991:

Compact disks up 16 percent  
Cassettes down 19 percent.

1990 attendance

at major league sports:

Baseball games	55.5 million
Football games	17.6 million
Hockey games	12.6 million

**Recreation and leisure activities.**—Statistics on the participation in various recreation and leisure time activities are based on several sample surveys. Data on participation in fishing, hunting, and other forms of wildlife-associated recreation are published every 5 years by the U.S. Department of Interior, Fish and Wildlife Service. The most recent data are from the 1985 survey. Data on participation in various sports recreation activities are published by the National Sporting Goods Association.

**Travel.**—Information on foreign travel and personal expenditures abroad, as well as expenditures by foreign citizens traveling in the United States, is compiled annually by the U.S. Bureau of Economic Analysis and published in selected issues of the monthly *Survey of Current Business*. Statistics on arrivals to the United States are reported by the U.S. Travel and Tourism Administration (USTTA), in cooperation with the U.S. Immigration and Naturalization Service, and are published in *Summary and Analysis of International Travel to the United States*. Sources of statistics on departures from the United States include USTTA's in-flight survey, the Department of Transportation's *International Air Travel Statistics* and other sources. Data on domestic travel, business receipts and employment of the travel industry, and travel expenditures are published by the U.S. Travel Data Center, the national nonprofit center for travel and tourism research which is located in Washington, DC. Other data on household transportation characteristics may be found in section 21.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

**No. 378. Visitation to Federal Recreation Areas, by Administering Federal Agency: 1978 to 1990**

[In millions of visitor hours. For years ending September 30, except as indicated. Covers persons entering and using a recreation area over a specified period of time. For definition of visitor hour, see text, section 7.]

ADMINISTERING FEDERAL AGENCY	1978	1980	1982	1983	1984	1985	1986	1987	1988	1989	1990
All areas	7,094	6,367	6,640	6,668	6,252	6,403	6,858	7,332	7,419	7,475	7,620
Fish and Wildlife Service	84	17	12	63	60	65	67	72	81	45	53
Forest Service	2,622	2,819	2,801	2,733	2,731	2,705	2,718	2,861	2,908	3,030	3,157
U.S. Army Corps of Engineers	2,071	1,926	1,632	1,638	1,652	1,721	2,068	2,176	2,290	2,296	2,280
National Park Service	1,154	1,042	1,216	1,276	1,240	1,298	1,348	1,394	1,376	1,315	1,322
Bureau of Land Management	634	68	341	596	208	246	284	515	461	493	518
Bureau of Reclamation	431	407	558	285	282	289	296	306	294	286	280
Tennessee Valley Authority	97	87	80	78	79	79	77	8	9	10	10

<sup>1</sup> Beginning 1986, not comparable with previous years. <sup>2</sup> Data not comparable for all years. <sup>3</sup> Beginning in 1989, the TVA discontinued reporting visitation to non-fee charging areas. Data for 1987 and 1988 have been adjusted to reflect this policy.

Source: 1978 and 1980, U.S. Heritage Conservation and Recreation Service, *Federal Recreation Fee Report*, annual; thereafter, U.S. National Park Service.

**No. 379. National Park System—Summary: 1982 to 1990**

[For fiscal years ending in year shown, except as noted; see text, section 10. Includes data for five areas in Puerto Rico and Virgin Islands, one area in American Samoa, and one area in Guam. See also *Historical Statistics, Colonial Times to 1970*, series H 606-828.]

ITEM	1982	1983	1984	1985	1986	1987	1988	1989	1990
<b>Finances (mil. dol.):<sup>1</sup></b>									
Expenditures reported	709.7	779.6	843.6	848.1	818.3	909.3	922.9	1,036.8	986.1
Salaries and wages	310.6	343.8	354.6	369.4	372.2	401.5	423.9	441.4	459.1
Improvements, maintenance	98.3	102.4	136.4	127.4	119.6	144.1	154.7	197.5	160.0
Construction	73.0	87.5	93.3	84.7	125.9	102.6	86.3	85.2	108.5
Other	227.8	245.9	259.3	266.6	200.6	261.1	258.0	312.7	258.5
Funds available	1,024.4	1,191.7	1,215.8	1,248.2	1,271.5	1,276.0	1,338.4	1,440.0	1,505.5
Appropriations	715.2	828.9	785.9	821.6	769.3	846.2	874.6	996.7	1,052.5
Other <sup>2</sup>	309.2	362.8	429.9	426.6	502.2	429.8	463.8	443.3	453.0
Revenue from operations	25.5	33.1	36.2	50.6	50.7	70.8	77.2	86.3	78.6
<b>Recreation visits (millions):<sup>3</sup></b>									
All areas	244.1	243.6	248.6	263.4	281.1	287.2	282.5	269.4	258.7
National parks <sup>4</sup>	49.6	50.0	49.7	50.0	53.5	56.6	56.4	57.4	57.7
National monuments	16.2	16.2	15.8	15.9	21.2	23.5	23.2	23.7	23.9
National historical, commemorative, archaeological <sup>5</sup>	62.3	57.3	63.6	61.9	65.5	68.6	61.2	63.9	57.5
National parkways	36.1	37.7	37.9	40.0	41.6	39.3	42.0	31.2	29.1
National recreation areas	49.7	48.9	45.7	49.4	54.8	56.5	54.5	49.6	47.2
National seashores and lakeshores	17.2	19.0	21.2	25.3	23.0	21.9	23.2	21.9	23.3
National Capital Parks	5.3	6.3	7.2	8.3	6.9	8.1	9.0	8.9	7.5
Miscellaneous other areas	7.7	8.2	7.5	12.6	14.5	12.7	12.9	12.8	12.5
Recreation overnight stays (millions) <sup>3</sup>	16.4	15.7	16.0	15.8	16.0	17.1	17.0	17.4	17.6
In commercial lodgings	3.3	3.3	3.5	3.5	3.5	3.7	3.8	3.9	3.9
In Park Service campgrounds	8.8	7.8	7.7	7.3	7.2	8.0	7.9	7.8	7.9
In tents	4.2	3.6	3.7	3.6	3.5	4.0	3.9	3.9	4.1
In recreation vehicles	4.6	4.2	3.9	3.8	3.8	4.0	3.9	3.9	3.8
In backcountry	2.4	2.6	2.0	1.7	1.6	1.6	1.6	1.6	1.7
Other	1.9	2.0	2.8	3.2	3.6	3.8	3.7	4.1	4.2
<b>Land (1,000 acres):<sup>6</sup></b>									
Total	74,800	74,846	74,913	75,749	75,863	75,970	76,176	76,331	76,362
Parks	45,414	45,427	45,454	45,739	45,791	45,875	45,955	46,081	46,089
Recreation areas	3,313	3,317	3,322	3,335	3,337	3,339	3,339	3,342	3,344
Other	26,073	26,102	26,137	26,675	26,735	26,756	26,882	26,907	26,929
Acquisition, gross	40	50	44	34	177	134	38	73	21
By purchase	37	43	42	29	69	27	37	14	18
By gift	3	1	(Z)	2	20	(Z)	(Z)	58	2
By transfer or exchange	(Z)	6	2	3	88	107	1	1	3
Exclusion	(Z)	2	2	(Z)	4	(Z)	(Z)	1	1
Acquisition, net	40	48	42	34	173	134	38	71	21

<sup>Z</sup> Less than 500 acres. <sup>1</sup> Financial data are those associated with the National Park System. Certain other functions of the National Park Service (principally the activities absorbed from the former Heritage Conservation and Recreation Service in 1981) are excluded. <sup>2</sup> Includes funds carried over from prior years. <sup>3</sup> For calendar year. <sup>4</sup> Combined data for North Cascades National Park and two adjacent National Recreation Areas are included in National Parks total. <sup>5</sup> Includes military areas.

<sup>6</sup> Federal land only, as of Dec. 31. Federal land acreages, in addition to National Park Service administered lands, also include lands within national park system area boundaries but under the administration of other agencies. Year-to-year changes in the federal lands figures include changes in the acreages of these other lands and hence often differ from "net acquisition."

Source: U.S. National Park Service, Visits, *National Park Statistical Abstract*, annual; and unpublished data. Other data are unpublished.

**No. 380. National Forest Recreation Use—Summary, 1980 to 1990, and by Activity and States and Other Areas, 1990**

[For year ending September 30. Estimated. Represents recreational use of National Forest land and water in States which have a Forest Service recreation program. See also *Historical Statistics, Colonial Times to 1970*, series H 829-835]

YEAR AND ACTIVITY	Recreation visitor-days <sup>1</sup> (1,000)	Percent	STATE	Recreation visitor-days <sup>1</sup> , 1990 (1,000)	STATE OR OTHER AREA	Recreation visitor-days <sup>1</sup> , 1990 (1,000)
1980.....	233,549	100.0	U.S. ....	263,051	NV.....	3,278
1981.....	235,709	100.0			NH.....	2,676
1982.....	233,438	100.0	AL.....	698	NM.....	7,704
1983.....	227,708	100.0	AK.....	5,414	NY.....	72
1984.....	227,554	100.0	AZ.....	19,039	NC.....	5,472
1985.....	225,407	100.0	AR.....	2,441	ND.....	169
1986.....	226,533	100.0	CA.....	61,007	OH.....	504
1987.....	238,458	100.0	CO.....	25,204	OK.....	387
1988.....	242,316	100.0	FL.....	2,961	OR.....	21,036
1989.....	252,495	100.0	GA.....	2,833	PA.....	2,631
1990, total .....	263,051	100.0	ID.....	11,819	SC.....	816
Mechanized travel and viewing scenery .....	89,196	33.9	IL.....	1,638	SD.....	2,966
Camping, picnicking and swimming .....	74,145	28.2	IN.....	569	TN.....	2,826
Hiking, horseback riding and water travel .....	22,543	8.6	KY.....	61	TX.....	2,155
Winter sports .....	16,143	6.1	LA.....	2,447	UT.....	12,744
Hunting .....	15,913	6.1	MA.....	527	VT.....	1,369
Fishing .....	15,616	5.9	MI.....	58	VA.....	3,900
Resorts, cabins and organization camps .....	15,106	5.7	MN.....	4,916	WA.....	22,451
Nature studies .....	2,115	0.8	MS.....	5,399	WV.....	1,234
Other <sup>2</sup> .....	12,274	4.7	MO.....	1,177	WI.....	2,095
			MT.....	1,713	WY.....	6,609
			NE.....	9,704		
				149	PR.....	186

<sup>1</sup> One recreation visitor-day is the recreation use of National Forest land or water that aggregates 12 visitor-hours. This may entail 1 person for 12 hours, 12 persons for 1 hour, or any equivalent combination of individual or group use, either continuous or intermittent.

<sup>2</sup> Includes team sports, gathering forest products, attending talks and programs, and other uses.

Source: U.S. Forest Service, unpublished data.

**No. 381. Recreational Use of Public Lands Administered by Bureau of Land Management, 1982 to 1990, and by State, 1990**

[In thousands. For year ending Sept. 30. Beginning 1987, increase due to an estimated longer length of stay per visit, especially in California. See text, section 7]

YEAR AND STATE	Number of visits	TYPE OF RECREATION USE (visitor hours)									
		Total	Land-based recreation activities						Water-based recreation activities		
			Motorized travel		Site based				Fishing	Boating	Other
			Off-road vehicle travel	Other motorized travel	Non-motorized travel	Camping	Hunting	Other			
1982.....	58,135	316,959	19,471	32,646	11,237	63,928	108,996	44,587	19,287	10,101	1,043
1983.....	56,270	334,010	24,397	35,534	12,237	84,066	92,974	39,734	20,290	16,869	4,992
1984.....	59,228	271,373	21,348	25,433	9,579	73,032	73,898	37,650	14,263	11,184	2,092
1985.....	51,739	244,612	36,995	24,053	10,047	65,397	51,842	23,098	14,254	11,710	2,193
1986.....	54,253	284,142	49,688	25,866	14,397	95,196	35,570	19,331	18,227	15,891	3,951
1987.....	56,427	514,716	123,325	34,325	19,172	195,315	57,624	38,412	22,932	15,140	5,212
1988.....	57,460	492,756	122,014	35,748	19,761	178,703	55,285	38,340	21,617	13,294	4,979
1989.....	60,957	493,214	65,808	74,075	36,676	173,597	46,760	45,871	23,392	18,491	5,425
1990, total .....	71,820	523,753	63,016	83,445	41,316	165,366	47,053	57,958	28,664	20,806	8,313
AK.....	234	4,351	41	208	83	3,035	358	97	305	149	4
AZ.....	9,368	72,776	662	107	2,570	48,282	2,306	9,883	938	5,553	2,175
CA.....	26,459	233,704	45,308	47,965	23,604	59,216	10,682	31,941	5,158	3,785	3,034
CO.....	3,101	19,932	981	3,264	557	4,762	6,135	721	1,835	1,374	41
ID.....	2,117	20,261	759	1,009	673	4,892	5,268	1,265	2,073	1,502	497
MT <sup>1</sup> .....	4,129	23,044	3,642	2,059	905	6,324	4,451	524	3,381	1,031	106
NV.....	2,778	18,040	3,454	1,940	1,364	5,502	2,748	868	1,695	214	154
NM <sup>2</sup> .....	3,078	13,653	2,391	844	726	3,024	2,930	1,701	1,212	772	51
OR <sup>2</sup> .....	12,099	58,924	1,385	11,632	5,298	15,314	4,501	6,494	7,625	3,896	2,124
UT.....	7,248	49,031	4,060	13,349	5,247	13,145	4,773	2,965	3,061	2,261	76
WY.....	1,209	10,037	333	1,068	289	1,870	2,881	1,499	1,381	269	51

<sup>1</sup> Includes North Dakota and South Dakota.

<sup>2</sup> Includes Washington.

Source: U.S. Bureau of Land Management, *Public Land Statistics*, annual.

**No. 382. State Parks and Recreation Areas—States: 1990**

[For year ending June 30. Data are shown as reported by State park directors. In some States, park agency has under its control forests, fish and wildlife areas and/or other areas. In other States, agency is responsible for State parks only]

DIVISION AND STATE	Acreage (1,000)	VISITORS (1,000)		REVENUE		DIVISION AND STATE	Acreage (1,000)	VISITORS (1,000)		REVENUE	
		Total <sup>1</sup>	Day	Total (\$1,000)	Percent of oper- ating budget			Total <sup>1</sup>	Day	Total (\$1,000)	Percent of oper- ating budget
U.S. . . .	11,238	722,819	664,888	401,800	37.9	WV . . . .	201	8,470	7,829	11,968	49.6
N.E.: . . . .						NC . . . .	129	8,549	8,264	1,377	15.0
ME . . . .	74	2,188	1,979	1,504	36.8	SC . . . .	79	7,236	6,236	9,698	57.9
NH . . . .	33	2,759	2,567	7,554	92.5	GA . . . .	57	14,924	11,224	11,546	45.7
VT . . . .	171	916	546	4,129	94.0	FL . . . .	426	14,124	13,097	16,878	40.0
MA . . . .	271	12,695	11,941	9,314	50.4	E.S.C.: . . . .					
RI . . . .	9	5,321	5,038	2,525	47.2	KY . . . .	42	26,704	25,693	35,642	64.5
CT . . . .	171	7,331	6,943	2,096	25.2	TN . . . .	133	26,093	24,919	18,275	50.5
M.A.: . . . .						AL . . . .	50	5,800	4,721	22,303	83.1
NY . . . .	259	58,884	55,864	27,752	25.4	MS . . . .	23	3,703	3,079	4,817	45.0
NJ . . . .	302	10,503	10,061	5,459	22.0	W.S.C.: . . . .					
PA . . . .	277	38,399	36,773	6,675	15.0	AR . . . .	48	6,765	6,178	10,494	55.3
E.N.C.: . . . .						LA . . . .	38	1,090	784	1,756	30.9
OH . . . .	208	63,740	61,360	11,255	25.4	OK . . . .	94	16,613	14,351	12,399	59.5
IN . . . .	57	9,450	7,800	8,281	65.8	TX . . . .	433	21,112	18,773	12,003	34.2
IL . . . .	333	36,457	35,978	2,491	7.8	Mt: . . . .					
MI . . . .	263	22,556	17,334	19,105	76.4	MT . . . .	52	697	539	852	25.4
WI . . . .	121	11,495	10,154	7,265	62.1	ID . . . .	42	2,463	2,197	1,480	41.3
W.N.C.: . . . .						WY . . . .	120	1,732	1,294	351	12.9
MN . . . .	200	7,753	6,932	6,448	37.6	CO . . . .	233	8,179	7,736	8,046	85.0
IA . . . .	83	11,784	11,274	1,245	14.6	NM . . . .	123	4,410	1,764	8,728	106.8
MO . . . .	110	14,464	13,375	2,787	15.8	AZ . . . .	39	2,122	1,758	2,148	32.0
ND . . . .	17	982	837	759	45.7	UT . . . .	116	5,062	4,540	3,544	27.5
SD . . . .	92	5,739	5,365	3,488	61.5	NV . . . .	142	2,721	2,524	811	19.0
NE . . . .	149	9,004	7,670	4,548	58.2	Pac: . . . .					
KS . . . .	296	3,994	2,596	2,350	33.3	WA . . . .	236	40,118	37,852	6,022	22.9
S.A.: . . . .						OR . . . .	88	40,201	38,034	7,714	31.0
DE . . . .	12	2,748	2,454	3,477	45.2	CA . . . .	1,299	77,811	71,429	43,170	26.8
MD . . . .	226	7,495	7,008	5,108	24.2	AK . . . .	3,169	5,961	5,256	706	14.1
VA . . . .	67	3,688	3,235	2,164	23.2	HI . . . .	25	19,813	19,727	1,292	17.7

<sup>1</sup> Includes overnight visitors.

Source: National Association of State Park Directors, Austin, TX, 1991 Annual Information Exchange.

**No. 383. Personal Consumption Expenditures for Recreation in Constant (1987) Dollars: 1970 to 1990**

[In billions of dollars, except percent. Represents market value of purchases of goods and services by individuals and nonprofit institutions]

TYPE OF PRODUCT OR SERVICE	1970	1980	1984	1985	1986	1987	1988	1989	1990
<b>Total recreation expenditures. . . . .</b>	<b>91.3</b>	<b>149.1</b>	<b>183.8</b>	<b>195.5</b>	<b>208.4</b>	<b>223.7</b>	<b>240.0</b>	<b>251.3</b>	<b>256.6</b>
Percent of total personal consumption <sup>1</sup>	5.0	6.1	6.7	6.8	7.0	7.3	7.6	7.8	7.9
Books and maps	10.5	10.2	11.6	11.4	11.7	13.0	14.1	14.7	15.4
Magazines, newspapers, and sheet music	13.2	18.4	18.5	17.9	18.0	18.8	19.9	20.3	20.8
Nondurable toys and sport supplies	9.5	17.4	21.3	22.3	23.6	25.5	26.2	27.5	28.3
Wheel goods, sports and photographic equipment <sup>2</sup>	10.3	20.2	23.4	24.4	26.3	28.3	28.9	29.0	27.7
Video and audio products, computer equipment, and musical instruments	8.8	17.6	25.5	29.7	35.4	39.0	45.5	49.5	52.5
Radio and television repair	2.7	3.5	3.1	3.3	3.2	3.3	3.4	3.4	3.4
Flowers, seeds, and potted plants	4.0	5.9	6.9	7.0	7.6	8.5	9.2	9.7	9.6
Admissions to specified spectator amusements	8.2	9.9	10.9	10.2	10.1	10.2	10.5	10.6	11.2
Motion picture theaters	4.2	3.8	4.0	3.6	3.6	3.5	3.4	3.4	3.4
Legitimate theaters and opera, and entertainments of nonprofit institutions <sup>3</sup>	1.3	2.7	2.9	2.9	3.0	3.2	3.4	3.5	4.1
Spectator sports <sup>4</sup>	2.8	3.4	4.0	3.7	3.6	3.5	3.7	3.7	3.7
Clubs and fraternal organizations except insurance	3.8	4.0	5.3	6.3	6.6	7.0	7.2	7.4	7.8
Commercial participant amusements	6.3	12.5	15.3	16.1	16.4	17.3	18.5	19.0	19.2
Pari-mutuel net receipts	2.8	3.6	3.2	3.2	3.2	3.3	3.2	3.1	3.1
Other <sup>5</sup>	11.3	25.8	38.9	43.5	46.3	49.3	53.4	57.0	57.7

<sup>1</sup> See table 681. <sup>2</sup> Includes boats and pleasure aircraft. <sup>3</sup> Except athletic. <sup>4</sup> Consists of admissions to professional and amateur athletic events and to racetracks, including horse, dog, and auto. <sup>5</sup> Consists of dues and fees excluding insurance premiums.

<sup>6</sup> Consists of billiard parlors; bowling alleys; dancing, riding, shooting, skating, and swimming places; amusement devices and parks; golf courses; sightseeing buses and guides; private flying operations; casino gambling and other commercial participant amusements.

<sup>7</sup> Consists of net receipts of lotteries and expenditures for purchases of pets and pet care services, cable TV, film processing, photographic studios, sporting and recreation camps, video cassette rentals, and recreational services, not elsewhere classified.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States: Volume 2, 1959-88 and Survey of Current Business*, July issues.

## Entertainment Expenditures—Books Sold

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### No. 384. Average Annual Expenditures of All Consumer Units for Entertainment and Reading, 1984 to 1990, and by Selected Characteristics, 1990

[In dollars, except as indicated. Based on Consumer Expenditure Survey; see text, section 14, for description of survey. See also headnote, table 693. For composition of regions, see table 25]

YEAR AND CHARACTERISTIC	ENTERTAINMENT AND READING		ENTERTAINMENT			Reading
	Total	Percent of total expenditures	Total	Fees and admissions	Television, radios, and sound equipment	
1984.....	1,187	5.4	1,055	313	322	420
1985.....	1,311	5.6	1,170	320	371	479
1986.....	1,289	5.4	1,149	308	371	470
1987.....	1,335	5.5	1,193	323	379	491
1988.....	1,479	5.7	1,329	353	416	560
1989.....	1,581	5.7	1,424	377	429	618
1990, all consumer units.....	1,575	5.6	1,422	371	454	597
						153
Age of reference person:						
Under 25 years old.....	908	5.5	833	218	344	272
25 to 34 years old.....	1,606	5.7	1,472	342	503	628
35 to 44 years old.....	2,025	5.7	1,837	527	583	726
45 to 54 years old.....	2,150	5.8	1,966	438	592	937
55 to 64 years old.....	1,670	5.7	1,507	365	390	752
65 to 74 years old.....	1,070	5.1	914	329	307	277
75 years old and over.....	535	3.5	423	153	161	109
Region of residence: Northeast.....	1,502	5.1	1,331	398	429	505
Midwest.....	1,516	5.8	1,356	347	433	576
South.....	1,397	5.2	1,266	306	439	521
West.....	2,017	6.2	1,853	482	528	842
Size of consumer unit: One person.....	950	5.5	841	235	290	316
Two persons.....	1,819	5.6	1,649	424	518	708
Two or more persons.....	1,629	5.6	1,461	382	428	651
Three persons.....	1,737	5.2	1,572	376	527	670
Four persons.....	2,160	5.8	1,975	510	642	824
Five persons or more.....	2,032	5.6	1,866	507	591	767
Income before taxes:						
Complete income reporters <sup>2</sup> .....	1,607	5.5	1,451	375	461	613
Under \$5,000.....	550	4.4	491	121	216	154
\$5,000 to \$9,999.....	643	4.9	579	87	204	288
\$10,000 to \$14,999.....	702	4.3	612	123	278	211
\$15,000 to \$19,999.....	928	4.5	821	191	319	312
\$20,000 to \$29,999.....	1,269	5.2	1,127	301	404	422
\$30,000 to \$39,999.....	1,684	5.4	1,502	400	527	576
\$40,000 to \$49,999.....	2,443	6.4	2,241	536	639	1,066
\$50,000 and over.....	3,435	6.1	3,137	902	843	1,391
						298

<sup>1</sup> Other equipment and services includes pets, toys, and playground equipment, and sports, exercise, and photographic equipment. <sup>2</sup> A complete reporter is a consumer unit providing values for at least one of the major sources of income.

Source: U.S. Bureau of Labor Statistics, *Consumer Expenditure Survey*, annual.

### No. 385. Quantity of Books Sold and Value of U.S. Domestic Consumer Expenditures, by Type of Publication and Market Area: 1982 to 1990

[Includes all titles released by publishers in the United States and imports which appear under the imprints of American publishers. Multi-volume sets, such as encyclopedias, are counted as one unit]

TYPE OF PUBLICATION AND MARKET AREA	UNITS SOLD (mil.)						CONSUMER EXPENDITURES (mil. dol.)					
	1982	1985	1987	1988	1989	1990	1982	1985	1987	1988	1989	1990
Total <sup>1</sup> .....	1,723	1,768	1,804	1,871	2,003	2,005	9,889	12,611	14,671	16,111	18,036	19,043
Hardbound, total.....	646	694	738	757	826	824	6,190	7,989	9,326	10,055	11,243	11,789
Softbound, total.....	1,077	1,094	1,086	1,114	1,177	1,181	3,699	4,642	5,345	6,056	6,793	7,254
Trade.....	459	553	577	610	685	705	2,484	3,660	4,453	5,070	6,040	6,498
Adult.....	315	360	357	365	404	403	2,028	2,871	3,399	3,806	4,520	4,777
Juvenile.....	144	193	220	244	281	301	456	789	1,054	1,264	1,520	1,721
Religious.....	144	134	128	121	124	130	706	926	1,104	1,168	1,274	1,362
Professional.....	106	110	120	125	128	131	1,630	2,043	2,350	2,573	2,769	2,957
Bookclubs.....	133	130	121	112	109	108	510	582	660	671	684	705
Elli text.....	233	234	207	202	213	209	1,067	1,415	1,633	1,716	1,909	1,948
College text.....	115	110	119	130	136	137	1,388	1,575	1,803	1,998	2,144	2,319
Mail order publications.....	134	121	128	138	152	138	581	650	679	720	822	752
Mass market paperbacks-rack sized.....	382	382	391	419	441	433	1,102	1,244	1,411	1,556	1,693	1,775
General retailers.....	756	829	864	914	994	1,010	3,743	5,103	6,117	6,875	7,914	8,465
College stores.....	224	225	230	243	253	255	1,910	2,309	2,636	2,904	3,164	3,403
Libraries and institutions <sup>2</sup> .....	80	80	81	82	87	88	888	1,090	1,252	1,361	1,500	1,592
Schools <sup>2</sup> .....	262	260	236	233	246	244	1,313	1,685	1,946	2,065	2,290	2,365
Direct to consumers.....	319	300	299	302	316	304	1,869	2,214	2,477	2,638	2,859	2,901
Other.....	82	94	95	97	108	104	146	210	244	267	309	316

<sup>1</sup> Types of publications include university press publications and subscription reference works, not shown separately. <sup>2</sup> Eli libraries included in schools.

Source: Book Industry Study Group, Inc., New York, NY, *Book Industry Trends*, annual, (copyright).

**No. 386. New Books and Editions Published, 1980 to 1991, and Imports, by Subject, 1980 to 1990**

(Covers listings in Bowker's Weekly Record in year shown, plus titles issued in that year which were listed in following 6 months. Comprises new books (published for first time) and new editions (with changes in text or format). Excludes government publications; books sold only by subscription; dissertations; periodicals and quarterlies; and pamphlets under 49 pages. See also *Historical Statistics, Colonial Times to 1970*, series R 191-216)

SUBJECT	NEW BOOKS AND NEW EDITIONS						IMPORTS					
	1980	1985	1988	1989	1990	1991, prel.	1980	1985	1987	1988	1989	1990, prel.
<b>Total . . . . .</b>	<b>42,377</b>	<b>150,070</b>	<b>55,483</b>	<b>53,446</b>	<b>46,738</b>	<b>41,223</b>	<b>5,390</b>	<b>7,304</b>	<b>8,229</b>	<b>8,722</b>	<b>7,315</b>	<b>6,414</b>
Agriculture . . . . .	461	536	666	562	514	468	104	118	135	129	104	86
Art . . . . .	1,691	1,545	1,602	1,569	1,262	1,119	157	166	128	154	128	94
Biography . . . . .	1,891	1,953	2,250	2,193	1,957	1,890	126	216	173	190	144	115
Business . . . . .	1,185	1,518	1,647	1,569	1,191	1,298	74	196	154	194	152	134
Education . . . . .	1,011	1,085	1,113	1,054	1,039	973	133	211	276	239	233	234
Fiction . . . . .	2,835	5,105	5,564	5,941	5,764	4,199	71	171	291	287	119	166
General works . . . . .	1,643	2,905	2,475	2,332	1,760	1,684	132	329	382	372	322	266
History . . . . .	2,220	2,327	3,260	2,563	2,243	2,107	296	395	482	509	376	329
Home economics . . . . .	879	1,228	1,057	949	758	721	40	41	39	36	31	19
Juvenile . . . . .	2,859	3,801	4,954	5,413	5,172	4,555	58	92	109	104	101	103
Language . . . . .	529	632	628	586	649	521	134	216	201	206	182	202
Law . . . . .	1,102	1,349	1,343	1,096	896	967	112	170	225	191	156	138
Literature . . . . .	1,666	1,964	2,272	2,298	2,049	1,903	183	267	295	330	275	242
Medicine . . . . .	3,292	3,579	3,900	3,447	3,014	2,710	671	598	757	779	712	588
Music . . . . .	357	364	329	375	289	275	35	70	66	74	78	52
Philosophy, psychology . . . . .	1,429	1,559	1,955	2,058	1,683	1,611	218	267	331	275	348	284
Poetry and drama . . . . .	1,179	1,166	1,270	1,128	874	821	120	220	180	224	147	119
Religion . . . . .	2,055	2,564	2,746	2,586	2,285	2,059	94	173	163	162	173	176
Science . . . . .	3,109	3,304	3,743	3,288	2,742	2,427	1,069	1,242	1,302	1,396	1,187	1,030
Sociology, economics . . . . .	7,152	7,441	8,247	7,971	7,042	5,508	1,050	1,559	1,736	1,825	1,575	1,368
Sports, recreation . . . . .	971	1,154	1,099	1,077	973	893	85	107	97	97	94	75
Technology . . . . .	2,337	2,526	2,694	2,690	2,092	2,089	373	419	651	897	638	546
Travel . . . . .	504	465	669	701	495	425	55	61	56	52	39	48

<sup>1</sup> Increase is due largely to a major improvement in the recording of paperbound books.

Source: R. R. Bowker Co., New York, NY, *Publishers Weekly*. (Copyright by Reed Publishing.)

**No. 387. Average (Mean) Retail Prices—Books, 1980 to 1990 and Periodicals, 1980 to 1991**

[See headnote, table 386. For definition of mean, see Guide to Tabular Presentation]

SUBJECT	BOOKS (per vol.)				SUBJECT	PERIODICALS <sup>3</sup>			
	1980	1985	1989	1990, prel.		1980	1985	1990	1991
<b>Hardcover <sup>1</sup> . . . . .</b>	<b>24.64</b>	<b>31.46</b>	<b>40.61</b>	<b>39.91</b>	<b>Total . . . . .</b>	<b>34.54</b>	<b>59.70</b>	<b>93.45</b>	<b>104.36</b>
Agriculture . . . . .	27.55	36.77	51.17	52.88	Agriculture . . . . .	15.24	26.05	42.43	42.36
Art . . . . .	27.70	35.15	50.30	41.17	Business and economics . . . . .	25.42	44.41	63.25	70.87
Biography . . . . .	19.77	22.20	27.34	27.50	Chemistry and physics . . . . .	137.45	238.43	412.66	472.84
Business . . . . .	22.45	28.84	37.94	45.18	Children's periodicals . . . . .	7.85	13.31	17.51	18.38
Education . . . . .	17.01	27.28	37.62	38.39	Education . . . . .	23.45	37.81	56.33	62.43
Fiction . . . . .	12.46	15.29	18.69	20.02	Engineering . . . . .	49.15	84.38	138.84	160.13
General reference . . . . .	29.84	37.91	49.73	55.07	Fine and applied arts . . . . .	18.67	27.03	36.89	38.61
History . . . . .	22.78	27.02	37.95	35.60	History . . . . .	15.77	25.55	35.51	38.35
Home economics . . . . .	13.31	17.50	22.17	24.35	Home economics . . . . .	24.63	41.04	64.49	74.11
Juvenile . . . . .	8.16	9.95	13.01	13.08	Industrial arts . . . . .	20.70	35.09	54.69	60.96
Language . . . . .	22.16	26.68	47.35	38.43	Journalism, communications . . . . .	27.34	46.08	60.85	62.81
Law . . . . .	33.25	41.70	58.62	55.09	Labor and industrial relations . . . . .	18.84	34.75	52.74	57.59
Literature . . . . .	18.70	24.53	32.74	35.01	Law . . . . .	23.00	35.15	50.32	53.30
Medicine . . . . .	34.28	44.36	68.87	67.46					
Music . . . . .	21.79	28.79	41.73	41.30	Library and information science . . . . .	23.25	40.66	57.34	62.73
Philosophy, psychology . . . . .	21.70	28.11	36.55	39.65	Literature and languages . . . . .	15.30	24.18	30.63	32.99
Poetry and drama . . . . .	17.85	22.14	31.12	30.87	Mathematics, botany, geology, and general science . . . . .	67.54	116.93	188.19	209.55
Religion . . . . .	17.61	19.13	28.12	31.27	Medicine . . . . .	73.37	137.92	177.27	249.94
Science . . . . .	37.45	51.19	68.90	71.48	Philosophy and religion . . . . .	14.73	24.30	30.76	32.91
Sociology, economics . . . . .	31.76	33.33	41.26	41.25	Physical education and recreation . . . . .	13.83	23.72	32.20	34.64
Sports, recreation . . . . .	15.92	23.43	29.42	30.08	Political science . . . . .	19.30	32.72	49.67	52.81
Technology . . . . .	33.64	50.37	71.04	75.78	Psychology . . . . .	41.95	76.34	125.31	135.40
Travel . . . . .	16.80	24.66	31.37	29.87	Sociology and anthropology . . . . .	27.56	50.87	77.61	88.69
<b>Paperbacks:</b>					Zoology . . . . .	44.58	90.75	153.78	172.56
Mass market <sup>2</sup> . . . . .	(NA)	3.63	4.32	4.47	General interest periodicals . . . . .	19.87	26.41	31.24	32.25
Trade or other . . . . .	8.60	13.98	17.16	16.62					

NA Not available. <sup>1</sup> Excludes publications of the United States and other governmental units, books sold only by subscription, and dissertations. <sup>2</sup> "Pocket-sized" books sold primarily through magazine and news outlets, supermarkets, variety stores, etc.

<sup>3</sup> Average annual subscription prices.

Source: R. R. Bowker Co., New York, NY, Books, *Publishers Weekly*, March 1990; Bowker Annual: Library and Book Trade Almanac; Periodicals, *Library Journal*, April 15, 1990, and earlier issues. (Copyright by Reed Publishing.)

### No. 388. Phonograph Records and Other Recording Media—Manufacturers' Shipments and Value: 1975 to 1991

[Domestic shipments based on reports of manufacturers representing more than 85 percent of the market. Domestic value data based on list prices of records and other media. Minus sign (-) indicates returns greater than shipments]

TYPE OF MEDIA	UNIT SHIPMENTS <sup>1</sup> (mil.)					MANUFACTURERS' VALUE (mil. dol.)				
	1975	1980	1985	1990	1991	1975	1980	1985	1990	1991
Total . . . . .	531.8	683.7	652.9	865.7	801.0	2,378.3	3,862.4	4,387.8	7,541.1	7,834.2
Phonograph records . . . . .	421.0	487.1	287.7	39.3	26.8	1,696.5	2,559.6	1,561.5	180.9	93.3
Long-playing albums . . . . .	257.0	322.8	167.0	11.7	4.8	1,465.0	2,290.3	1,280.5	86.5	29.4
Singles . . . . .	164.0	164.3	120.7	27.6	22.0	211.5	269.3	281.0	94.4	63.9
Pre-recorded . . . . .	110.8	196.6	342.6	529.6	429.1	681.8	1,302.8	2,436.8	3,730.3	3,250.0
8-track cartridges . . . . .	94.6	86.4	3.5	-	-	583.0	526.4	25.3	(X)	(X)
Cassettes . . . . .	16.2	110.2	339.1	442.2	360.1	98.8	776.4	2,411.5	3,472.4	3,019.6
Cassette singles . . . . .	(X)	(X)	(X)	87.4	69.0	(X)	(X)	(X)	257.9	230.4
Compact disks (CD's) . . . . .	(X)	(X)	22.6	286.5	333.3	(X)	(X)	389.5	3,451.8	4,337.7
CD music singles . . . . .	(X)	(X)	(X)	1.1	5.7	(X)	(X)	(X)	6.0	35.1
Music video . . . . .	(X)	(X)	(X)	9.2	6.1	(X)	(X)	(X)	172.3	118.1

<sup>1</sup> Rounds to zero. X Not applicable. <sup>2</sup> Units net after returns.

<sup>2</sup> Includes extended play albums.

Source: Recording Industry Association of America, Inc., Washington, DC, *Inside the Recording Industry: A Statistical Overview: 1991*, and earlier issues.

### No. 389. Household Camera and Video Equipment Use, by Selected Characteristic: 1985 and 1988

[As of January, except as indicated. Based on surveys and subject to sampling error; for details, see source]

CHARACTERISTIC	TOTAL HOUSEHOLDS <sup>1</sup> (1,000)		PERCENT OWNING—				PERCENT USING VIDEO TRANSFER SERVICE <sup>2</sup>			
			Camera		Video equipment					
	1985	1988	1985	1988	Video cassette recorder		Video camera/camcorder		1985	1988
					1985	1988	1985	1988		
Total . . . . .	85,407	89,479	85.1	91.9	20.9	66.5	2.2	7.2	1.2	5.5
Age of householder:										
Under 25 years old . . . . .	2,985	4,255	93.0	95.1	18.2	66.9	-	3.6	-	4.9
25 to 34 years old . . . . .	17,841	24,698	92.3	95.5	24.7	74.5	3.4	7.9	0.8	4.8
35 to 44 years old . . . . .	17,638	20,056	94.5	96.0	34.2	81.0	4.2	10.2	2.7	7.1
45 to 54 years old . . . . .	14,042	13,569	90.7	94.5	23.7	69.8	1.0	9.3	1.0	7.9
55 years old and over . . . . .	32,901	26,900	74.2	83.5	10.5	45.3	1.2	3.9	0.8	3.7
Educational attainment of householder:										
Some high school or less . . . . .	11,329	6,249	72.5	81.2	6.6	46.0	1.1	3.2	1.2	2.4
High school graduate . . . . .	33,240	27,466	83.0	90.2	17.8	58.6	1.2	6.6	0.4	4.0
Some college . . . . .	18,384	25,978	90.4	93.1	24.0	69.4	3.0	5.9	1.8	4.8
College graduate or more . . . . .	22,454	29,787	90.0	94.8	29.6	75.4	3.9	9.8	1.5	8.0
Household income:										
Under \$10,000 . . . . .	14,178	14,373	65.6	79.7	6.7	30.8	-	1.8	1.0	1.9
\$10,000 to \$19,999 . . . . .	15,467	17,705	82.9	90.1	7.0	50.5	0.4	0.9	-	3.2
\$20,000 to \$29,999 . . . . .	13,635	16,634	87.1	94.1	17.9	72.5	0.5	5.6	0.5	5.4
\$30,000 to \$44,999 . . . . .	18,723	19,223	93.5	95.8	38.0	78.4	4.7	10.0	1.4	5.9
\$45,000 or more . . . . .	23,404	21,544	89.2	96.1	26.1	85.9	3.8	14.6	2.3	9.4

<sup>1</sup> Represents or rounds to zero. <sup>2</sup> As of March the prior year. <sup>3</sup> Anytime during the prior year.

Source: Photo Marketing Association International, Jackson, MI, *Consumer Photographic Survey, 1985 and 1988*, (copyright).

### No. 390. Household Participation in Lawn and Garden Activities—Summary: 1985 to 1990

[Based on national sample survey conducted by the Gallup Organization. For the 1989 survey, a total of 2,053 households were personally interviewed at home. For composition of regions, see table 25. Subject to sampling variability; see source]

ACTIVITY	1985	1987	1988	1989	1990	CHARACTERISTIC OF RESPONDENT	1990, PERCENT DISTRIBUTION	
							Households	Sales
Number of households (mil.) . . . . .	87.9	89.5	91.1	92.8	93.3	Total . . . . .	100	100
Percent of households engaged in—								
Lawn care . . . . .	64	59	58	57	66	18 to 29 years old . . . . .	21	17
Indoor houseplants . . . . .	42	41	41	37	43	30 to 49 years old . . . . .	42	48
Flower gardening . . . . .	41	43	42	41	48	50 years old and over . . . . .	37	35
Vegetable gardening . . . . .	37	33	34	32	37	Northeast . . . . .	22	23
Shrub care . . . . .	30	33	34	29	38	Midwest . . . . .	26	24
Insect control . . . . .	27	30	32	29	39	South . . . . .	32	31
Landscaping . . . . .	23	24	22	22	31	West . . . . .	20	22
Tree care . . . . .	20	25	23	23	31			
Flower bulbs . . . . .	19	27	24	23	31	City . . . . .	23	20
Fruit trees . . . . .	17	18	16	14	19	Suburb . . . . .	34	36
Raising transplants <sup>1</sup> . . . . .	11	15	11	11	15	Small town . . . . .	11	9
Growing berries . . . . .	7	9	8	7	9	Rural . . . . .	32	34
Ornamental gardening . . . . .	7	8	6	5	7			
Herb gardening . . . . .	(NA)	7	5	7	9			
Container gardening . . . . .	(NA)	12	11	11	15			
Total retail sales (mil. dol.) . . . . .	12,026	17,491	15,518	16,285	20,802			

NA Not available. <sup>1</sup> Starting plants in advance of planting in ground.

Source: The National Gardening Association, Burlington, VT, *National Gardening Survey*, annual, (copyright).

## Parks, Recreation, and Travel

**No. 391. Sport Fishing and Hunting Licenses—Number and Cost: 1970 to 1990**

[In millions, except as indicated. For fiscal years ending in year shown; see text, section 9. See also *Historical Statistics, Colonial Times to 1970*, series H 875-876]

ITEM	1970	1975	1980	1983	1984	1985	1986	1987	1988	1989	1990
<b>Fishing Licenses: Sales</b>	<b>31.1</b>	<b>34.7</b>	<b>35.2</b>	<b>37.8</b>	<b>36.1</b>	<b>35.7</b>	<b>35.9</b>	<b>36.5</b>	<b>36.8</b>	<b>36.6</b>	<b>36.9</b>
Resident	26.8	30.0	30.1	32.5	31.0	30.5	30.4	31.0	31.3	31.0	31.0
Nonresident	4.3	4.7	5.1	5.3	5.1	5.2	5.4	5.6	5.5	5.6	5.9
Paid license holders <sup>1</sup>	24.4	27.5	28.0	29.1	29.0	29.7	30.4	30.3	31.4	30.3	30.7
Cost to anglers (mil. dol.)	91	142	196	244	260	282	302	315	330	341	363
<b>Hunting Licenses: Sales</b>	<b>22.2</b>	<b>25.9</b>	<b>27.0</b>	<b>28.9</b>	<b>28.5</b>	<b>27.7</b>	<b>27.9</b>	<b>28.8</b>	<b>30.0</b>	<b>29.3</b>	<b>29.7</b>
Resident	21.0	24.7	25.6	27.2	26.8	26.1	26.3	27.1	27.7	27.3	27.5
Nonresident	1.2	1.3	1.4	1.7	1.7	1.6	1.7	1.7	2.0	2.0	2.2
Paid license holders <sup>1</sup>	15.4	16.6	16.3	16.4	16.0	15.9	15.8	15.8	15.9	15.9	15.8
Cost to hunters (mil. dol.)	102	155	222	277	292	301	323	345	381	400	422
<b>Federal duck stamps sold (1,000)</b>	<b>2,072</b>	<b>2,222</b>	<b>2,090</b>	<b>1,926</b>	<b>1,868</b>	<b>1,914</b>	<b>1,780</b>	<b>1,794</b>	<b>1,663</b>	<b>1,395</b>	<b>1,406</b>

<sup>1</sup> Resident and nonresident. Includes multiple counting of license holders who bought nonresident licenses as well as a home State license. "Licenses" includes licenses, tags, permits and stamps.

Source: U.S. Fish and Wildlife Service, *Federal Aid in Fish and Wildlife Restoration*, annual.

**No. 392. Household Pet Ownership: 1983 and 1987**

[Based on a sample survey of 40,000 households in 1987 and 20,000 in 1983; for details, see source]

ITEM	Unit	DOG		CAT		PET BIRD		HORSE	
		1983	1987	1983	1987	1983	1987	1983	1987
Households owning companion pets <sup>1</sup>	Million	36.1	34.7	24.2	27.7	4.2	5.2	2.4	2.6
Percent of all households	Percent	42.5	38.2	28.4	30.5	5.0	5.7	2.8	2.8
Average number owned	Number	1.5	1.5	2.2	2.0	2.5	2.5	3.0	2.6
Total companion pet population <sup>1</sup>	Million	55.6	52.4	52.2	54.6	10.4	12.9	7.0	6.6
Households obtaining veterinary care <sup>2</sup>	Percent	74	78	47	60	8	8	43	47
Average visits per year	Number	1.8	2.4	1.0	1.6	0.1	0.2	1.4	1.9
Average annual cost	Dollars	66.87	82.86	36.83	54.26	(NA)	4.47	(NA)	120.75
Total expenditures	Mil. dol.	2,564	3,012	955	1,573	(NA)	26	180	330
PERCENT DISTRIBUTION OF HOUSEHOLDS OWNING PETS									
Annual household income: Under \$10,000	Percent	19	14	20	14	21	17	16	14
\$10,000 to \$19,999	Percent	53	19	53	20	54	20	53	22
\$20,000 to \$29,999	Percent	(*)	18	(*)	19	(*)	18	(*)	20
\$30,000 to \$44,999	Percent	28	23	27	22	25	21	31	21
\$45,000 and over	Percent	(*)	26	(*)	25	(*)	24	(*)	23
Family size: <sup>1</sup> One person	Percent	12	13	15	16	13	14	8	10
Two persons	Percent	30	30	30	30	24	24	26	27
Three persons	Percent	22	23	20	21	20	20	24	23
Four or more persons	Percent	36	34	35	33	43	42	42	40

NA Not available. <sup>1</sup> As of December for 1987; as of May for 1983. <sup>2</sup> During 1987 for 1987; for 1983, between May 1982-83. <sup>3</sup> Income range for 1983—\$10,000 to \$29,999. <sup>4</sup> Income range for 1983—over \$30,000.

Source: American Veterinary Medical Association, Schaumburg, IL, *The Veterinary Services Market for Companion Animals, July 1983 and August 1988*, (copyright).

**No. 393. Boy Scouts and Girl Scouts—Membership and Units: 1970 to 1990**

[In thousands. Boy Scouts as of Dec. 31; Girl Scouts as of Sept. 30. Current age requirements for each category are in parentheses. Includes Puerto Rico and outlying areas]

ITEM	1970	1975	1980	1982	1983	1984	1985	1986	1987	1988	1989	1990
BOY SCOUTS OF AMERICA												
Membership	6,287	5,318	4,318	4,542	4,689	4,755	4,845	5,171	5,347	5,384	5,356	5,446
Boys	4,683	3,933	3,207	3,425	3,567	3,657	3,755	4,037	4,180	4,228	4,247	4,293
Tiger cubs (6 yr. old)	(X)	(X)	(X)	84	124	145	169	260	291	314	332	346
Cub Scouts (7 to 10 yr. old)	2,436	1,997	1,696	1,609	1,569	1,493	1,499	1,714	1,818	1,834	1,824	1,832
Boy Scouts (11 to 17 yr. old)	1,916	1,503	1,064	1,126	1,116	1,078	1,063	1,042	1,032	1,025	1,008	1,018
Explorers (14 to 20 yr. old)	329	434	447	606	758	941	1,024	1,021	1,037	1,055	1,083	1,097
Adults	1,604	1,385	1,110	1,117	1,122	1,098	1,090	1,134	1,168	1,136	1,109	1,153
Total units (packs, troops, posts)	157	150	129	132	134	135	134	132	131	131	130	131
GIRL SCOUTS OF THE U.S.A.												
Membership	3,922	3,234	2,784	2,819	2,888	2,871	2,802	2,917	2,947	3,052	3,166	3,269
Girls <sup>2</sup>	3,248	2,723	2,250	2,247	2,281	2,247	2,172	2,248	2,274	2,345	2,415	2,480
Daisies (5 to 6 yr. old)	(X)	(X)	(X)	(X)	(X)	(X)	61	114	137	162	175	186
Brownies (6 to 8 yr. old)	1,259	1,160	1,115	1,120	1,163	1,172	1,128	1,166	1,167	1,243	1,276	1,288
Juniors (8 to 11 yr. old)	1,509	1,188	894	874	847	801	795	725	705	739	759	786
Cadettes (11 to 14 yr. old)	395	301	172	169	176	170	151	143	132	144	150	163
Seniors (14 to 17 yr. old)	85	74	46	41	40	40	40	41	38	43	42	44
Adults	674	511	534	572	607	624	630	669	673	707	751	788
Total units (troops, groups)	164	159	154	160	165	166	166	174	180	189	196	202

X Not applicable. <sup>1</sup> Both girls and boys are members. <sup>2</sup> Beginning 1980, also includes girls without age-level program information, not shown separately.

Source: Boy Scouts of America, National Council, Irving, TX, *Annual Report*; and Girl Scouts of the United States of America, New York, NY, *Annual Report*.

## No. 394. Selected Spectator Sports: 1980 to 1990

[See also *Historical Statistics, Colonial Times to 1970*, series H 865-870 and H 872]

SPORT	Unit	1980	1983	1984	1985	1986	1987	1988	1989	1990
Baseball, major leagues: <sup>1</sup>										
Attendance	1,000	43,748	46,269	45,262	47,742	48,452	53,182	53,800	55,910	55,509
Regular season	1,000	43,014	45,540	44,742	46,824	47,506	52,011	52,999	55,173	54,824
National League	1,000	21,124	21,549	20,781	22,292	22,333	24,734	24,499	25,324	24,492
American League	1,000	21,890	23,991	23,961	24,532	25,173	27,277	28,500	29,849	30,332
Playoffs	1,000	407	425	248	591	624	784	541	514	476
World Series	1,000	325	304	272	327	322	387	260	223	209
Players' salaries: <sup>2</sup>										
Average	\$1,000	144	289	329	371	413	412	439	497	598
Basketball: <sup>3,4</sup>										
Men's:										
College:										
Teams	Number	1,258	1,266	1,260	1,266	1,265	1,270	1,277	1,264	1,313
Attendance	1,000	30,692	31,471	31,684	32,057	31,645	31,911	32,504	33,020	33,660
Women's:										
College:										
Teams	Number	(NA)	1,114	1,147	1,166	1,188	1,188	1,190	1,190	1,195
Attendance	1,000	(NA)	2,502	2,870	2,944	3,020	3,121	3,301	3,577	3,898
Pro: <sup>5</sup>										
Teams	Number	22	23	23	23	23	23	23	25	27
Attendance, total <sup>6</sup>	1,000	10,897	10,262	11,128	11,534	12,210	13,190	14,070	16,586	18,586
Regular season	1,000	9,938	9,638	10,015	10,506	11,215	12,065	12,654	15,465	17,369
Average per game	Number	11,017	10,220	10,620	11,141	11,893	12,765	13,419	15,088	15,690
Playoffs	1,000	740	606	1,096	985	979	1,091	1,397	1,077	1,203
Players' salaries:										
Average	\$1,000	170	249	275	325	375	440	510	603	817
Football:										
College: <sup>4</sup>										
Teams	Number	642	651	654	661	666	667	673	673	673
Attendance	1,000	35,541	36,302	36,652	36,912	36,388	36,463	35,581	36,406	36,627
National Football League: <sup>7</sup>										
Teams	Number	28	28	28	28	28	28	28	28	28
Attendance, total <sup>8</sup>	1,000	14,092	13,953	14,053	14,058	17,304	15,180	17,024	17,400	17,666
Regular season	1,000	13,392	13,277	13,398	13,345	13,588	14,408	13,539	13,626	13,960
Average per game <sup>9</sup>	Number	59,787	59,273	59,813	59,567	60,663	54,315	60,446	60,829	62,321
Postseason games <sup>10</sup>	1,000	700	676	655	711	734	656	658	686	648
Players' salaries: <sup>11</sup>										
Average	\$1,000	79	134	177	194	198	204	239	300	350
Median base salary	\$1,000	70	90	110	140	150	175	180	200	236
National Hockey League: <sup>12</sup>										
Regular season attendance	1,000	10,534	11,021	11,359	11,633	11,621	12,116	12,418	12,423	12,578
Playoffs attendance	1,000	977	1,008	1,107	1,109	1,152	1,336	1,323	1,322	1,356
Players' salaries:										
Average	\$1,000	108	130	145	150	158	172	188	210	254
Horseracing: <sup>14,15</sup>										
Racing days	Number	13,133	13,545	13,683	13,745	13,853	14,208	14,285	14,240	13,841
Attendance	1,000	74,690	75,693	74,076	73,346	70,580	70,105	69,949	69,551	63,803
Pari-mutuel turnover	Mil. dol.	11,218	11,733	12,032	12,222	12,421	13,122	13,616	13,867	7,162
Revenue to government	Mil. dol.	713	639	650	625	587	608	596	585	611
Greyhound: <sup>14</sup>										
Total performances	Number	5,855	8,257	8,661	9,590	10,654	11,156	12,904	13,393	14,915
Attendance	1,000	20,874	22,140	22,076	23,853	25,759	26,215	26,477	32,818	28,660
Pari-mutuel turnover	Mil. dol.	2,064	2,306	2,421	2,702	3,005	3,193	3,291	3,278	3,388
Revenue to government	Mil. dol.	152	170	177	201	215	221	230	239	235
Jai alai: <sup>14</sup>										
Total performances	Number	1,616	2,795	2,721	2,738	2,761	2,806	3,615	3,835	3,620
Games played	Number	25,349	44,425	42,842	32,260	36,276	38,476	47,716	(NA)	
Attendance	1,000	3,838	4,829	4,878	4,722	6,757	6,816	6,414	5,227	5,329
Pari-mutuel turnover	Mil. dol.	(NA)	619.8	665.9	664.0	667.6	707.5	663.6	553.0	545.5
Revenue to government	Mil. dol.	35	45	48	50	50	51	44	39	39
Professional rodeo: <sup>16</sup>										
Rodeos	Number	631	650	643	617	616	637	707	741	754
Performances	Number	1,921	1,964	1,936	1,887	1,868	1,832	2,037	2,128	2,159
Members	Number	5,114	5,353	5,324	5,239	5,603	5,342	5,479	5,560	5,693
Permit-holders (rookies)	Number	4,038	2,928	2,911	2,534	2,700	2,746	3,310	3,584	3,290

NA Not available. <sup>1</sup> Source: The National League of Professional Baseball Clubs, New York, NY, *National League Green Book*; and The American League of Professional Baseball Clubs, New York, NY, *American League Red Book*. <sup>2</sup> Source: Major League Baseball Players Association, New York, NY. <sup>3</sup> Season ending in year shown. <sup>4</sup> Source: National Collegiate Athletic Assn., Overland Park, KS. For women's attendance total, excludes double-headers with men's teams. <sup>5</sup> Source: National Basketball Assn., New York, NY. <sup>6</sup> Includes All-Star game, not shown separately. <sup>7</sup> Source: National Football League, New York, NY. <sup>8</sup> Beginning 1986, includes preseason attendance, not shown separately. <sup>9</sup> Season was interrupted by a strike.

<sup>10</sup> Includes Pro Bowl, a non-championship game and Super Bowl. <sup>11</sup> Source: National Football League Players Association, Washington, DC. <sup>12</sup> Source: National Hockey League, Montreal, Quebec. <sup>13</sup> Source: National Hockey League Players Association, Toronto, Canada. <sup>14</sup> Source: Association of Racing Commissioners International, Lexington, KY.

<sup>15</sup> Includes thoroughbred, harness, quarter horse, and fairs. <sup>16</sup> Source: Professional Rodeo Cowboys Association, Colorado Springs, CO, *Official Professional Rodeo Media Guide*, annual, (copyright).

Source: Compiled from sources listed in footnotes.

## No. 395. Selected Recreational Activities: 1970 to 1990

[See also *Historical Statistics, Colonial Times to 1970*, series H 862-864, H 871, H 874, and H 877]

ACTIVITY	Unit	1970	1975	1980	1985	1986	1987	1988	1989	1990
Softball, amateur: <sup>1</sup>										
Total participants <sup>2</sup>	Million.	16	26	30	41	41	41	41	41	41
Youth participants	1,000	255	450	650	712	717	720	722	900	1,000
Adult teams <sup>3</sup>	1,000	29	66	110	152	172	178	182	188	199
Youth teams <sup>3</sup>	1,000	2	9	18	31	35	38	40	46	251
Golfers (one round or more) <sup>4</sup>	1,000	11,245	13,036	15,112	17,520	19,900	21,200	23,000	24,200	27,800
Golf rounds played <sup>5</sup>	1,000	266,169	308,562	357,701	414,777	419,000	431,000	484,000	469,000	502,000
Golf facilities	Number.	10,188	11,370	12,005	12,346	12,384	12,407	12,582	12,658	12,846
Classification:										
Private	Number.	4,619	4,770	4,839	4,861	4,885	4,898	4,897	4,862	4,810
Daily fee	Number.	4,248	5,014	5,372	5,573	5,587	5,583	5,748	5,833	6,024
Municipal	Number.	1,321	1,586	1,794	1,912	1,912	1,926	1,937	1,963	2,012
Tennis: <sup>6</sup>										
Players	1,000	10,655	7 <sup>8</sup> 29,201	(NA)	8 <sup>9</sup> 18,951	8 <sup>10</sup> 18,017	9 <sup>11</sup> 16,911	9 <sup>12</sup> 17,314	9 <sup>13</sup> 18,844	9 <sup>14</sup> 18,401
Courts	1,000	(NA)	130	(NA)	220	220	220	220	220	220
Indoor	1,000	(NA)	8	(NA)	14	14	14	14	14	14
Tenpin bowling:										
Participants, total <sup>10</sup>	Million.	51.8	62.5	72.0	67.0	67.0	68.0	68.0	71.0	71.0
Male	Million.	24.8	29.9	34.0	32.0	32.0	33.1	33.1	35.4	35.4
Female	Million.	27.0	32.6	38.0	35.0	35.0	34.9	34.9	35.6	35.6
Establishments <sup>11</sup>	Number.	9,140	8,577	8,591	8,275	8,149	8,031	7,923	7,671	7,544
Lanes <sup>11</sup>	1,000	141	141	154	155	153	151	150	147	146
Membership, total <sup>11 12</sup>	1,000	7,733	8,751	9,595	8,064	7,839	7,421	7,167	6,570	6,357
American Bowling Congress	1,000	4,210	4,300	4,688	3,657	3,625	3,424	3,313	3,036	2,922
Women's Bowling Congress	1,000	2,988	3,692	4,118	3,714	3,551	3,351	3,189	2,859	2,742
Young American Bowling Alliance <sup>13</sup>	1,000	535	759	789	693	663	646	665	675	693
Motion picture theaters <sup>14 15</sup>	1,000	14	15	18	21	23	24	23	23	24
Four-wall	1,000	10	11	14	18	20	21	22	22	23
Drive-in	1,000	4	4	4	3	3	3	2	1	1
Receipts, box office	Mil. dol.	1,225	2,115	2,749	3,749	3,778	4,253	4,458	5,033	5,022
Admission, average price	Dollars	1.55	2.05	2.69	3.55	3.71	3.91	4.11	4.45	4.75
Attendance	Million.	921	1,033	1,022	1,056	1,017	1,089	1,085	1,133	1,058
Bicycles: <sup>16</sup>										
Domestic shipments	Million.	5.0	5.6	6.9	5.8	5.3	5.2	4.5	5.3	6.0
Imports	Million.	1.9	1.7	2.0	5.6	7.0	7.4	5.4	5.4	4.8
Boating: <sup>17</sup>										
Recreational boats owned	Million.	8.8	9.7	11.8	13.8	14.3	14.5	15.1	15.6	16.0
Outboard boats	Million.	5.2	5.7	6.8	7.4	7.6	7.5	7.7	7.9	7.9
Inboard boats	Million.	0.6	0.8	1.2	1.4	1.5	1.7	1.8	2.0	2.1
Sailboats	Million.	0.6	0.8	1.0	1.2	1.2	1.2	1.3	1.3	1.3
Canoes	Million.	2.4	2.4	1.3	1.8	1.9	2.0	2.1	2.2	2.3
Rowboats and other	Million.	(18)	(18)	1.5	1.8	1.9	2.1	2.2	2.1	2.2
Expenditures, total <sup>18</sup>	Bil. dol.	3.4	4.8	7.4	13.3	14.5	16.5	17.9	17.1	13.7
Outboard motors in use	1,000	7,215	7,649	8,241	9,733	10,081	10,469	10,860	11,225	11,524
Motors sold	1,000	430	435	315	392	410	444	460	430	352
Value, retail	Mil. dol.	281	411	554	1,319	1,464	1,726	1,828	1,764	1,546
Outboard boats sold	1,000	276	328	290	305	314	342	355	291	227
Value, retail	Mil. dol.	177	263	408	759	835	1,001	1,225	1,134	978
Inboard/outdrive boats sold	1,000	43	70	56	115	120	144	148	133	97
Value, retail	Mil. dol.	182	420	616	1,663	1,861	2,450	2,585	2,354	1,794
All terrain vehicles:										
Vehicles in use or owned <sup>20</sup>	1,000	(NA)	(NA)	(NA)	2,000	2,300	2,475	2,517	2,309	2,240
Imports <sup>21</sup>	1,000	(NA)	(NA)	(NA)	683	498	317	209	121	100

NA Not available. <sup>1</sup> Source: Amateur Softball Association, Oklahoma City, OK. <sup>2</sup> Amateur Softball Association teams and other amateur softball teams. <sup>3</sup> Amateur Softball Association teams only. <sup>4</sup> Source: National Golf Foundation, Jupiter, FL. <sup>5</sup> Beginning 1986, based on persons 12 years of age and over; prior years, for persons 5 years of age and over. <sup>6</sup> Source: U.S. Tennis Association, Princeton, NJ. <sup>7</sup> Survey by A. C. Nielsen Co. <sup>8</sup> 1976 data. <sup>9</sup> Based on National Sporting Goods Association Sports Participation Survey. <sup>10</sup> For season ending in year shown. Persons 5 years old and over. Source: National Bowling Council, Washington, DC. <sup>11</sup> Source: American Bowling Congress, Greendale, WI. Season ending in year shown. <sup>12</sup> Membership totals are for U.S., Canada and for U.S. military personnel worldwide. <sup>13</sup> Prior to 1985, represents American Jr. Bowling Congress and ABC/WIBC Collegiate Division. <sup>14</sup> Source: Motion Picture Association of America, Inc., New York, NY. <sup>15</sup> Prior to 1975, figures represent theaters; thereafter, screens. <sup>16</sup> Source: Bicycle Manufacturers Association of America, Inc., Washington, DC. <sup>17</sup> Source: National Marine Manufacturers Association, Chicago, IL. <sup>18</sup> Included in canoes. <sup>19</sup> Represents estimated expenditures for new and used boats, motors, accessories, safety equipment, fuel, insurance, docking, maintenance, storage, repairs, and other expenses. <sup>20</sup> Source: Specialty Vehicle Institute of America, Irvine, CA. <sup>21</sup> Source: Motorcycle Industry Council, Inc., Irvine, CA.

Source: Compiled from sources listed in footnotes.

# Participation in Sports Activities

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## No. 396. Participation in Sports Activities, by Selected Characteristics: 1990

[In thousands, except rank. For persons 7 years of age or older. Except as indicated, a participant plays a sport more than once in the year. Based on a sampling of 10,000 households]

ACTIVITY	ALL PERSONS		SEX		AGE		HOUSEHOLD INCOME (dol.)				
	Number Rank	Male	Female	7-11 yrs.	12-17 yrs.	18-24 yrs.	25-34 yrs.	35-44 yrs.	45-54 yrs.	55-64 yrs.	65 yrs. and over
Total . . . . .	224,648	(X)	109,059	115,588	18,243	20,042	26,141	43,950	37,912	25,477	21,343
Number participated in:											
Aerobic exercising . . . . .	23,252	10	3,777	19,535	708	1,874	4,588	7,903	1,225	855	3,772
Backpacking/wilderness camping . . . . .	10,809	24	6,634	4,175	1,203	1,241	1,643	1,949	772	122	3,390
Baseball . . . . .	15,576	17	12,603	2,974	4,305	4,588	5,463	1,984	305	41	1,693
Basketball . . . . .	26,315	8	18,898	7,417	4,860	8,289	4,488	5,255	439	101	3,033
Bicycle riding . . . . .	55,245	3	26,152	27,939	11,843	9,026	6,416	11,239	7,632	3,767	2,642
Bowling . . . . .	40,117	6	20,919	19,198	4,180	5,026	7,217	10,124	6,524	3,266	1,984
Calisthenics . . . . .	13,185	19	6,176	7,009	1,210	2,140	1,828	3,722	1,751	933	868
Camping (vacation/overnight) . . . . .	46,177	4	24,391	21,787	6,707	5,480	5,389	6,911	3,987	2,795	2,795
Exercise walking . . . . .	71,431	1	25,146	46,286	2,334	3,385	6,592	14,721	10,344	8,977	8,977
Exercising with equipment . . . . .	35,329	7	18,620	16,758	556	3,250	6,526	10,454	6,871	3,312	2,287
Fishing—fresh water . . . . .	41,495	5	27,779	13,776	5,000	4,372	5,229	9,775	7,165	4,359	2,745
Fishing—salt water . . . . .	12,281	21	8,807	3,474	528	1,332	1,668	2,794	2,280	1,377	1,214
Football . . . . .	14,451	18	12,441	2,010	2,828	5,101	3,239	2,251	692	271	3,044
Golf . . . . .	22,959	12	17,225	5,684	638	5,579	2,918	6,071	4,607	2,140	2,140
Hiking . . . . .	22,042	13	14,443	10,558	2,389	1,895	4,743	5,751	4,743	2,300	1,201
Hunting with firearms . . . . .	18,512	15	16,168	2,343	422	2,133	2,959	5,195	3,445	2,074	1,398
Racquetball . . . . .	8,070	25	5,955	2,115	231	627	2,346	3,033	1,214	503	65
Running/jogging . . . . .	23,817	9	13,060	10,756	2,747	4,576	4,497	6,147	3,747	1,081	50
Skiing—alpine/downhill . . . . .	11,354	22	6,665	4,689	611	2,053	2,713	3,098	1,805	752	400
Skiing—cross country . . . . .	5,134	26	2,637	2,496	306	500	563	1,336	1,089	640	47
Soccer . . . . .	10,920	23	7,015	3,905	4,861	3,745	1,059	885	419	123	-
Softball . . . . .	20,076	14	11,505	8,561	3,333	3,869	3,521	5,982	2,568	136	40
Swimming . . . . .	67,469	2	31,543	35,925	10,989	10,579	9,847	13,983	9,949	4,892	3,406
Target shooting . . . . .	12,625	20	10,134	2,681	716	1,591	2,565	3,617	2,483	602	203
Tennis . . . . .	18,401	16	10,317	8,084	1,324	3,680	4,012	4,760	1,161	763	292
Volleyball . . . . .	23,185	11	11,182	12,014	1,830	5,717	4,804	6,594	3,150	795	83

- Represents or rounds to zero. X Not applicable. <sup>1</sup> Participant engaged in activity at least six times in the year.

Source: National Sporting Goods Association, Mt. Prospect, IL, *Sports Participation in 1990: Series I*, (copyright).

**No. 397. Sporting Goods Sales, by Product Category: 1980 to 1991**

[In millions of dollars, except percent. Based on a sample survey of consumer purchases of 80,000 households, except recreational transport, which was provided by industry associations. Excludes Alaska and Hawaii]

SELECTED PRODUCT CATEGORY	1980	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991, proj.
Sales, all products . . . . .	16,691	18,684	23,111	26,401	27,446	30,614	33,842	42,093	45,184	44,140	45,056
Annual percent change . . . . .	-1.4	5.8	23.7	14.2	4.0	11.5	10.9	24.0	7.3	-2.3	2.1
Percent of retail sales . . . . .	1.7	1.7	2.0	2.1	2.0	2.1	2.2	2.5	2.6	2.4	(NA)
<b>Athletic and sport clothing</b> . . . . .	<b>3,127</b>	<b>3,014</b>	<b>3,226</b>	<b>3,432</b>	<b>3,376</b>	<b>3,931</b>	<b>4,645</b>	<b>10,736</b>	<b>11,557</b>	<b>11,382</b>	<b>11,871</b>
<b>Athletic and sport footwear</b> . . . . .	<b>1,731</b>	<b>1,900</b>	<b>2,189</b>	<b>2,381</b>	<b>2,610</b>	<b>3,199</b>	<b>3,524</b>	<b>3,772</b>	<b>5,763</b>	<b>6,437</b>	<b>6,803</b>
Walking shoes . . . . .	(NA)	(NA)	(NA)	(NA)	263	368	512	752	1,237	1,509	1,690
Gym shoes, sneakers . . . . .	465	659	639	669	656	642	693	783	1,125	1,177	1,212
Jogging and running shoes . . . . .	397	421	557	591	572	476	475	460	515	645	677
Tennis shoes . . . . .	359	287	340	371	470	448	367	353	508	582	599
Aerobic shoes . . . . .	(NA)	10	29	54	178	333	401	327	425	389	373
Basketball shoes . . . . .	86	81	119	159	185	187	169	226	293	428	462
Golf shoes . . . . .	68	99	115	110	109	120	130	128	129	157	170
<b>Athletic and sport equipment</b> . . . . .	<b>6,487</b>	<b>7,114</b>	<b>7,925</b>	<b>8,317</b>	<b>8,922</b>	<b>9,477</b>	<b>9,900</b>	<b>10,705</b>	<b>11,503</b>	<b>12,073</b>	<b>12,534</b>
Firearms and hunting . . . . .	1,351	1,567	1,666	1,620	1,699	1,675	1,804	1,894	2,139	2,295	2,364
Exercise equipment . . . . .	(NA)	723	960	1,055	1,216	1,206	1,191	1,452	1,748	1,797	1,833
Golf . . . . .	386	493	633	630	730	828	946	1,111	1,167	1,204	1,252
Camping . . . . .	646	735	790	699	724	833	858	945	996	1,072	1,136
Bicycles (10-12-15-18+ speed) . . . . .	(NA)	656	761	765	975	1,089	930	819	906	1,092	1,147
Fishing tackle . . . . .	539	586	606	616	681	773	830	766	769	813	837
Snow skiing . . . . .	379	332	386	502	593	622	661	710	606	606	613
Tennis . . . . .	237	277	293	315	273	260	238	264	315	291	294
Archery . . . . .	149	168	179	212	212	214	224	235	261	265	275
Baseball and softball . . . . .	158	154	173	153	176	180	173	174	206	217	225
Water skis . . . . .	123	106	133	146	125	132	148	160	96	88	88
Bowling accessories . . . . .	107	103	106	108	106	114	129	129	143	155	160
<b>Recreational transport</b> . . . . .	<b>5,345</b>	<b>6,656</b>	<b>9,771</b>	<b>12,271</b>	<b>12,539</b>	<b>14,007</b>	<b>15,873</b>	<b>16,880</b>	<b>16,360</b>	<b>14,248</b>	<b>13,848</b>
Pleasure boats . . . . .	2,718	3,684	4,612	6,209	6,753	7,372	8,906	9,637	9,319	7,524	7,524
Recreational vehicles . . . . .	1,178	1,701	3,368	4,082	3,515	3,940	4,507	4,839	4,481	4,007	3,486
Bicycles and supplies . . . . .	1,233	1,148	1,638	1,840	2,109	2,518	2,272	2,131	2,259	2,423	2,544
Snowmobiles . . . . .	216	123	153	140	162	177	188	273	301	294	294

NA Not available. <sup>1</sup> Represents change from immediate prior year. <sup>2</sup> Category expanded in 1988; not comparable with earlier years. <sup>3</sup> Includes other products not shown separately.

Source: National Sporting Goods Association, Mt. Prospect, IL, *The Sporting Goods Market in 1991*, and prior issues, (copyright).

**No. 398. Consumer Purchases of Sporting Goods, by Consumer Characteristics: 1990**

[In percent. Based on sample survey of consumer purchases of 80,000 households. Excludes Alaska and Hawaii]

CHARACTERISTIC	Total households	FOOTWEAR				EQUIPMENT					
		Aero- bic shoes	Gym shoes/ sneakers	Jog- ging/ run- ning shoes	Walk- ing shoes	Bicy- cles <sup>1</sup>	Camp- ing equip- ment	Exer- cise equip- ment	Rifles	Shot- guns	Golf equip- ment
<b>Total</b> . . . . .	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Age of user:											
Under 14 years old . . . . .	20.3	6.9	37.3	9.0	1.8	20.1	11.0	1.0	1.3	3.3	2.0
14 to 17 years old . . . . .	5.4	5.6	13.7	7.2	1.8	8.0	5.0	2.0	4.0	2.2	3.0
18 to 24 years old . . . . .	10.7	10.2	7.8	8.1	2.7	11.2	9.0	5.0	10.2	6.8	6.0
25 to 34 years old . . . . .	17.7	26.9	15.1	23.6	11.2	20.6	26.0	23.0	31.4	30.2	22.0
35 to 44 years old . . . . .	14.7	24.2	10.3	26.6	18.9	17.3	23.0	26.0	26.8	29.8	21.0
45 to 64 years old . . . . .	18.7	19.3	11.7	20.0	36.5	10.1	14.0	28.0	22.0	25.7	31.0
65 years old and over . . . . .	12.5	6.9	4.1	5.5	27.1	1.3	2.0	7.0	4.3	2.0	12.0
Multiple ages . . . . .	-	-	-	-	-	11.4	10.0	8.0	-	-	4.0
Sex of user:											
Male . . . . .	48.8	15.1	51.6	59.9	49.7	56.1	64.0	45.0	97.3	96.4	83.0
Female . . . . .	51.2	84.9	48.4	40.1	50.3	31.9	24.0	45.0	2.7	3.6	13.0
Both sexes . . . . .	-	-	-	-	-	12.0	13.0	9.0	-	-	4.0
Education of household head:											
Less than high school . . . . .	12.7	7.5	9.8	6.5	4.2	4.6	7.0	7.0	8.5	8.7	3.0
High school . . . . .	30.5	25.7	29.5	21.1	20.3	17.7	26.0	22.0	26.3	36.0	16.0
Some college . . . . .	27.2	28.0	28.1	29.7	32.4	32.6	33.0	32.0	44.0	29.4	27.0
College graduate . . . . .	29.6	36.8	32.6	42.7	43.1	45.1	35.0	39.0	21.2	25.9	54.0
Annual household income:											
\$ Under \$15,000 . . . . .	24.9	12.4	15.1	10.6	13.4	9.0	13.0	9.0	14.8	11.9	4.0
\$15,000 to \$24,999 . . . . .	18.2	15.2	16.7	14.2	8.8	13.2	16.0	10.0	12.8	14.9	9.0
\$25,000 to \$34,999 . . . . .	16.1	17.7	16.4	16.6	11.7	17.4	17.0	14.0	14.8	16.4	16.0
\$35,000 to \$49,999 . . . . .	18.8	24.3	22.0	23.8	23.5	23.4	24.0	23.0	27.4	30.6	21.0
\$50,000 and over . . . . .	22.0	30.4	29.8	34.8	42.6	37.0	30.0	45.0	30.2	26.2	50.0

<sup>1</sup> Represents or rounds to zero. <sup>2</sup> 10-12-15-18+ speed.

Source: National Sporting Goods Association, Mt. Prospect, IL, *The Sporting Goods Market in 1991*, and prior issues, (copyright).

## No. 399. Performing Arts—Selected Data: 1970 to 1989

[Receipts and expenditures in millions of dollars. For season ending in year shown, except as indicated]

ITEM	1970	1975	1980	1982	1983	1984	1985	1986	1987	1988	1989
<b>Legitimate theater:</b> <sup>1</sup>											
Broadway shows:											
New productions . . . . .	62	59	67	53	50	36	31	33	40	31	29
Playing weeks <sup>2,3</sup> . . . . .	1,047	1,101	1,541	1,461	1,259	1,119	1,062	1,049	1,031	1,114	1,097
Number of tickets sold (1,000) . . . . .	(NA)	(NA)	9,380	10,694	8,102	7,898	7,156	6,527	6,968	8,142	7,968
Gross box office receipts . . . . .	53.3	57.4	143.4	221.2	263.1	226.5	208.0	190.6	207.2	253.4	262.0
Road shows:											
Playing weeks <sup>3</sup> . . . . .	1,024	799	1,351	1,317	990	1,057	993	983	901	893	869
Gross box office receipts . . . . .	48.0	50.9	181.2	249.5	184.3	206.2	225.9	235.6	224.2	222.9	255.5
<b>Nonprofit professional theatres:</b> <sup>4</sup>											
Companies reporting . . . . .	(NA)	39	147	123	189	230	217	201	188	189	192
Gross income . . . . .	(NA)	34.5	113.6	142.5	186.0	226.6	234.7	263.8	271.2	276.4	349.0
Earned income . . . . .	(NA)	21.8	67.3	89.5	117.2	145.7	146.1	160.8	165.2	167.0	224.6
Contributed income . . . . .	(NA)	12.7	46.3	53.0	68.8	80.9	88.6	103.0	106.0	109.4	124.4
Gross expenses . . . . .	(NA)	34.3	113.6	144.3	189.0	230.3	239.3	263.3	272.8	277.9	349.2
Productions . . . . .	(NA)	398	1,852	2,081	2,616	3,434	2,710	2,944	2,427	2,369	2,469
Performances . . . . .	(NA)	11,952	42,109	36,727	47,195	56,735	52,341	57,727	46,768	46,149	53,263
Total attendance (mil.) . . . . .	(NA)	5.4	14.2	13.1	13.7	15.5	14.2	14.8	14.6	13.9	18.7
<b>Opera companies:</b> <sup>5</sup>	<b>648</b>	<b>807</b>	<b>986</b>	<b>993</b>	<b>1,031</b>	<b>1,051</b>	<b>1,123</b>	<b>1,178</b>	<b>1,224</b>	<b>1,250</b>	<b>1,285</b>
Major <sup>6</sup> . . . . .	35	54	109	133	144	154	168	170	174	187	209
Expenditures . . . . .	36.5	(NA)	133.6	191.1	212.4	236.7	256.5	270.3	321.1	352.3	403.8
Other companies . . . . .	266	335	458	416	488	491	576	602	658	654	658
Workshops <sup>7</sup> . . . . .	347	418	419	444	399	406	379	404	392	409	418
Opera performances . . . . .	4,779	6,428	9,391	9,510	10,693	10,421	10,642	11,080	11,794	12,361	15,098
Operas performed . . . . .	341	387	497	571	590	576	578	660	622	658	731
Musical performances <sup>8</sup> . . . . .	(NA)	(NA)	2,233	2,749	2,767	4,983	6,993	7,759	8,836	9,825	
Musicals performed <sup>9</sup> . . . . .	(NA)	(NA)	104	122	120	129	242	301	278	296	279
World premieres . . . . .	17	16	79	94	96	101	121	116	129	141	165
Attendance (mil.) . . . . .	4.6	8.0	10.7	10.1	12.7	13.0	14.1	14.4	16.4	17.7	21.4
<b>Symphony orchestras:</b> <sup>10</sup>	<b>1,441</b>	<b>1,483</b>	<b>1,572</b>	<b>1,666</b>							
College <sup>11</sup> . . . . .	298	300	385	385	386	380	371	371	365	350	422
Community <sup>11</sup> . . . . .	1,019	1,003	926	919	920	937	946	927	936	903	924
Urban . . . . .	24	41	85	94	101	89	89	93	92	103	103
Metropolitan . . . . .	72	90	115	110	98	96	96	107	102	123	121
Regional <sup>12</sup> . . . . .	(4)	(4)	29	34	37	40	40	43	45	57	59
Major . . . . .	28	29	32	30	30	30	30	31	32	36	37
Concerts . . . . .	6,599	14,171	22,229	19,204	19,167	19,086	19,869	20,272	20,059	17,774	(NA)
Attendance (mil.) . . . . .	12.7	18.3	22.6	22.0	22.2	23.2	23.7	25.4	25.1	23.6	(NA)
Gross income . . . . .	73.3	124.5	246.3	325.5	348.9	379.0	435.4	480.5	523.6	561.8	(NA)
Earned income . . . . .	43.1	70.9	141.2	187.6	201.8	220.2	250.7	282.4	305.9	332.9	(NA)
Contributed income . . . . .	30.2	53.6	105.1	137.9	147.1	158.8	184.7	198.1	217.7	228.9	(NA)
Gross expenses . . . . .	76.4	129.5	252.1	315.3	352.2	389.8	441.8	491.2	525.4	571.3	612.9

NA Not available. <sup>1</sup> Source: *Variety*, New York, NY, various June issues (copyright). <sup>2</sup> All shows (new productions and holdovers from previous seasons). <sup>3</sup> Eight performances constitute one playing week. <sup>4</sup> Source: Theatre Communications Group, New York, NY. For years ending on or prior to Aug. 30. <sup>5</sup> Source: Central Opera Service, New York, NY, *Central Opera Service Bulletin*, periodic. <sup>6</sup> Companies with budgets of over \$100,000 and issue American Guild of Musical Artists (AGMA) contracts to soloists. <sup>7</sup> Workshops are primarily college and university opera groups. <sup>8</sup> Covers not-for-profit companies only. <sup>9</sup> Source: American Symphony Orchestra League, Inc., Washington, DC. For years ending Aug. 31. Orchestras other than college groups are principally defined by their annual budgets: For 1987 and 1988, community, under \$135,000; urban, \$135,000-\$280,000; metropolitan, \$280,000-\$1,000,000; regional, \$1,000,000-\$3,600,000; and major, over \$3,600,000. Prior to 1987, other budget classifications were in effect. <sup>10</sup> Includes youth orchestras. <sup>11</sup> Beginning 1980, includes youth and chamber groups with budgets under \$70,000. <sup>12</sup> Classification began in 1976.

Source: Compiled from sources listed in footnotes.

## No. 400. Financial Support of the Arts by Private Corporate Business—Summary: 1984 to 1988

[In millions of dollars]

TYPE OF ART CATEGORY	1984	1985	1988	TYPE OF ART CATEGORY	1984	1985	1988
<b>Direct cash support:</b>	<b>482.4</b>	<b>559.0</b>	<b>634.0</b>	Historic and cultural preservation projects . . . . .			9.7
Museums . . . . .	104.5	133.2	101.4	Libraries . . . . .			4.8
Symphony orchestra . . . . .	66.8	79.8	101.4	Commercial TV and radio, cultural programming . . . . .			6.5
Performing arts and cultural facilities . . . . .	52.0	59.4	31.7	Public TV and radio, general support . . . . .			16.5
Theaters . . . . .	67.2	49.5	76.1	Crafts . . . . .			2.3
Art funds—general support . . . . .	28.5	37.9	(NA)	Artist-in-residence programs . . . . .			1.1
Other music . . . . .	25.3	30.2	44.4	Poetry and writing . . . . .			1.4
Dance . . . . .	20.7	25.4	50.7	Video projects (non-commercial) . . . . .			0.2
Public TV and radio, program underwriting . . . . .	17.9	23.6	25.4	Folk art . . . . .			-
Opera . . . . .	24.8	22.7	50.7	Other (excluding commercial activities) . . . . .			12.7
Films (non-commercial) . . . . .	15.7	13.2	(NA)				38.0
Arts-in-education programs . . . . .	3.8	11.8	19.0				63.4

- Represents or rounds to zero. NA Not available.

Source: Business Committee for the Arts, New York, NY, press release.

**No. 401. Arts and Humanities—Selected Federal Aid Programs: 1970 to 1990**

[In millions of dollars, except as indicated. For fiscal years ending in year shown, see text, section 9]

TYPE OF FUND AND PROGRAM	1970	1975	1980	1984	1985	1986	1987	1988	1989	1990
<b>National Endowment for the Arts:</b>										
Funds available	15.7	86.9	188.1	169.9	171.7	167.1	170.9	171.1	166.7	170.8
Program appropriation	6.3	67.3	97.0	119.0	118.7	115.7	120.8	122.2	123.5	124.3
Matching funds <sup>2</sup>	2.0	7.5	42.9	27.4	29.5	30.0	29.3	32.9	23.6	32.4
Grants awarded (number)	556	3,071	5,505	5,056	4,801	4,484	4,542	4,628	4,604	4,475
Funds obligated	12.9	81.7	166.4	147.4	149.4	146.6	151.4	156.3	148.3	157.6
Music	2.5	14.9	13.6	15.2	15.3	14.6	15.1	15.3	15.3	16.5
State programs	1.9	14.7	22.1	24.6	24.4	23.8	24.6	24.9	26.5	26.1
Museums	(NA)	10.8	11.2	12.5	11.9	11.5	11.5	12.6	12.7	12.1
Theater	2.8	6.4	8.4	10.7	10.8	10.2	10.8	10.7	10.7	10.6
Dance	1.7	6.1	8.0	9.1	9.0	9.0	9.1	9.2	9.5	9.6
Media arts	0.2	5.4	8.4	9.5	9.9	12.3	12.9	12.4	12.7	13.9
Challenge <sup>3</sup>	(X)	(X)	50.8	18.8	20.7	20.7	20.8	24.8	15.4	19.7
Visual arts	1.0	3.2	7.3	6.6	6.2	5.7	6.2	6.0	6.1	5.9
Other	2.8	20.1	36.6	40.6	41.3	38.8	40.4	40.4	40.2	43.1
<b>National Endowment for the Humanities:</b>										
Funds available	13.0	86.0	186.2	127.3	125.6	121.1	128.4	125.2	137.1	141.0
Program appropriation	6.1	67.3	100.3	97.8	95.2	91.9	95.8	96.7	108.3	114.2
Matching funds <sup>2</sup>	2.0	6.5	38.4	29.5	30.4	27.3	28.5	28.5	28.7	26.3
Grants awarded (number)	542	1,330	2,917	2,523	2,241	2,297	2,888	2,113	2,285	2,195
Funds obligated	10.5	73.1	185.5	127.6	125.7	121.1	128.4	125.2	137.1	141.0
Education programs	4.2	17.1	18.3	19.3	17.9	14.8	16.4	16.6	16.5	16.3
State programs	(X)	(X)	26.0	26.0	24.4	24.1	25.0	25.3	29.0	29.6
Research grants	2.0	19.4	32.0	24.1	24.4	21.0	21.7	21.9	22.1	22.5
Fellowship program	1.7	10.9	18.0	15.0	15.3	14.4	15.3	15.3	15.3	15.3
Challenge <sup>3</sup>	(X)	(X)	53.5	18.3	19.6	16.2	16.5	16.5	16.7	14.6
General programs	(X)	(X)	(X)	24.3	24.1	24.7	25.4	24.9	25.1	25.4
Preservation <sup>5</sup>	(X)	(X)	(X)	(X)	(X)	4.1	4.1	4.7	12.3	17.5
National Capital Arts and Cultural Affairs Program	(X)	(X)	(X)	(X)	(X)	1.9	4.0	(X)	(X)	(X)
Other	2.6	31.8	37.7	0.7	(X)	(X)	(X)	(X)	(X)	(X)

NA Not available. X Not applicable. <sup>1</sup> Includes other funds, not shown separately. Excludes administrative funds. Gifts are included through 1980; excluded thereafter. <sup>2</sup> Represents Federal funds appropriated only upon receipt or certification by Endowment of matching non-Federal gifts. <sup>3</sup> Program designed to stimulate new sources and higher levels of giving to institutions for the purpose of guaranteeing long-term stability and financial independence. Program requires a match of at least 3 private dollars to each Federal dollar. Funds for challenge grants are not allocated by program area because they are awarded on a grant-by-grant basis. <sup>4</sup> Excludes National Capital Arts and Cultural Affairs Program. <sup>5</sup> Program designed to support projects which preserve and guarantee access to print and nonprint media in danger of disintegration or deterioration.

Source: U.S. National Endowment for the Arts, *Annual Report*; and U.S. National Endowment for the Humanities, *Annual Report*.

**No. 402. State Legislative Appropriations for State Arts Agencies: 1988 to 1991**

[In thousands of dollars, except as indicated. For fiscal years ending in year shown. Fiscal years for most States ended June 30; see text, section 9]

STATE OR AREA	1988	1989	1990	1991		STATE OR AREA	1988	1989	1990	1991	
				Total	Per cap. ita <sup>1</sup> (dol.)					Total	Per cap. ita <sup>1</sup> (dol.)
<b>Total . . .</b>	<b>242,842</b>	<b>270,652</b>	<b>292,304</b>	<b>273,823</b>	<b>1.08</b>	NE . . . . .	608	868	1,025	1,048	0.66
AL . . . . .	1,319	1,476	1,949	1,579	0.39	NV . . . . .	270	269	353	359	0.30
AK . . . . .	1,275	1,692	1,217	1,432	2.60	NJ . . . . .	451	474	497	519	0.47
AZ . . . . .	1,323	1,545	2 <sup>a</sup> ,570	2 <sup>a</sup> ,068	0.56	NM . . . . .	706	710	906	1,119	0.74
AR . . . . .	1,016	1,021	1,016	973	0.41	NY . . . . .	53,564	53,529	59,484	50,981	2.83
CA . . . . .	13,677	15,882	16,795	16,958	0.57	NC . . . . .	4,505	4,996	4,978	5,428	0.82
CO . . . . .	1,041	1,108	1,308	1,536	0.47	ND . . . . .	222	214	263	274	0.43
CT . . . . .	2,000	2,119	2,148	2,197	0.67	OH . . . . .	9,591	9,980	12,075	12,130	1.12
DE . . . . .	686	785	1,207	1,313	1.97	OK . . . . .	1,679	2,670	3,377	3,195	1.02
DC . . . . .	3,544	3,544	2,537	3,200	5.27	OR . . . . .	1,293	1,431	1,359	1,537	0.54
FL . . . . .	17,340	24,179	23,635	23,386	1.81	PA . . . . .	9,780	12,753	12,814	11,704	0.99
GA . . . . .	3,024	3,248	3,413	3,338	0.52	RI . . . . .	1,070	1,440	1,383	1,010	1.01
HI . . . . .	3,902	6,747	8,777	12,065	10.89	SC . . . . .	2,801	3,159	3,534	3,633	1.04
ID . . . . .	198	339	434	665	0.66	SD . . . . .	330	338	348	405	0.58
IL . . . . .	7,581	7,509	10,705	10,348	0.91	TN . . . . .	1,523	3,506	3,783	4,299	0.88
IN . . . . .	1,969	1,970	2,317	2,812	0.51	TX . . . . .	3,383	2,680	3,437	3,386	0.20
IA . . . . .	729	825	1,442	1,249	0.45	UT . . . . .	1,518	1,603	2,869	4,284	2.49
KS . . . . .	583	1,072	1,238	1,072	0.43	VT . . . . .	350	457	509	479	0.85
KY . . . . .	2,032	2,368	2,387	3,302	0.90	VA . . . . .	3,017	3,771	5,392	4,016	0.65
LA . . . . .	921	996	909	936	0.22	WA . . . . .	1,704	2,063	2,232	2,396	0.49
ME . . . . .	515	636	702	755	0.61	WV . . . . .	1,811	7,133	7,167	7,238	1.33
MD . . . . .	5,157	5,971	6,332	7,442	1.56	WI . . . . .	1,276	8,1725	2,254	2,422	0.50
MA . . . . .	21,148	19,539	17,685	12,624	2.10	WY . . . . .	203	206	235	351	0.77
MI . . . . .	12,611	12,466	12,233	9,152	0.98	Am. Samoa . . . . .	30	-	-	48	1.02
MN . . . . .	3,030	3,184	4,208	4,213	0.96	Guam . . . . .	339	561	458	620	4.65
MS . . . . .	421	496	497	514	0.20	No. Marianas . . . . .	60	101	115	114	2.63
MO . . . . .	4,660	4,913	5,008	4,480	0.88	PR . . . . .	8,111	11,013	13,549	13,335	3.79
MT . . . . .	730	726	781	780	0.98	VI . . . . .	104	85	231	257	2.52

<sup>a</sup> Represents zero. <sup>1</sup> Based on enumerated resident population as of April 1, 1990. <sup>2</sup> Includes \$1,000,000 to be generated by the Arizona Arts Trust Fund. <sup>3</sup> Includes \$250,000 one-time appropriation. <sup>4</sup> Includes \$140,000 one-time lottery funds.

<sup>5</sup> Includes \$220,000 lottery funds. <sup>6</sup> Includes \$522,000 one-time appropriation. <sup>7</sup> Excludes administrative expenses.

<sup>8</sup> Includes \$250,000 one-time Governor's Award.

Source: National Assembly of State Arts Agencies, Washington, DC, unpublished data.

## No. 403. Travel by U.S. Residents, by Selected Trip Characteristics: 1985 to 1990

[In millions. See headnote, table 404]

CHARACTERISTIC	TRIPS					PERSON TRIPS <sup>1</sup>				
	1985	1987	1988	1989	1990	1985	1987	1988	1989	1990
Total.....	558.4	636.3	656.1	664.3	681.1	1,077.6	1,191.1	1,232.5	1,260.1	1,274.5
Purpose:										
Visit friends and relatives .....	206.8	210.5	213.8	231.4	246.0	430.8	437.1	425.8	476.5	523.3
Other pleasure .....	177.6	234.4	241.5	225.9	214.5	376.0	464.6	502.1	468.3	447.5
Business or convention .....	133.3	157.5	155.6	169.7	155.6	185.2	206.2	211.7	232.0	209.5
Other .....	40.7	33.9	45.2	37.3	45.0	85.6	83.2	92.9	82.3	94.2
Mode of transport:										
Auto, truck, recreation vehicle .....	376.1	433.7	472.6	479.8	483.9	797.7	889.4	952.2	982.7	1,011.3
Airplane.....	140.5	160.7	154.6	154.6	144.9	217.3	239.9	238.6	234.3	214.5
Other .....	41.8	41.9	28.9	29.9	32.3	62.6	61.8	41.7	43.1	48.7
Vacation trip .....	339.8	366.2	396.2	416.7	422.3	728.7	775.2	830.9	878.3	883.9
Weekend trip .....	224.0	274.4	271.7	282.4	280.0	470.1	559.4	560.0	582.1	580.2

<sup>1</sup> A count of times each person (child or adult) goes on a trip.Source: U.S. Travel Data Center, Washington, DC, *National Travel Survey*, annual, (copyright).

## No. 404. Characteristics of Business Trips and Pleasure Trips: 1980 to 1990

[Represents trips to places 100 miles or more from home by one or more household members traveling together. Based on a monthly telephone survey of 1,500 U.S. adults. For details, see source.]

CHARACTERISTIC	Unit	BUSINESS TRIPS				PLEASURE TRIPS			
		1980	1985	1989	1990	1980	1985	1989	1990
Total trips .....	Millions	97.1	133.3	169.7	155.6	342.8	384.4	457.3	460.5
Average household members on trip .....	Number	1.5	1.4	1.4	1.4	2.2	2.1	2.0	2.1
Average nights per trip <sup>1</sup> .....	Nights	(NA)	3.6	3.2	3.7	(NA)	5.6	4.4	4.4
Average miles per trip <sup>2</sup> .....	Miles	(NA)	1,180	1,090	1,020	(NA)	1,010	950	867
Traveled primarily by auto/truck/RV <sup>3</sup> .....	Percent	56	51	57	58	80	73	76	77
Rental car .....	Percent	42	44	39	37	16	21	19	18
Traveled primarily by air .....	Percent	25	20	16	14	7	6	7	7
Used a rental car while on trip .....	Percent	66	62	65	71	34	39	38	37
Stayed in a hotel while on trip .....	Percent	21	26	20	21	10	13	12	12
Used a travel agent .....	Percent	10	13	17	17	75	80	81	82
Also a vacation trip .....	Percent	(NA)	67	72	71	(NA)	48	49	49
Male travelers .....	Percent	(NA)	33	28	29	(NA)	52	51	51
Female travelers .....	Percent	(NA)	42	56	56	(NA)	27	35	38

NA Not available. <sup>1</sup> Includes no overnight stays. <sup>2</sup> U.S. only. <sup>3</sup> Recreational vehicle.Source: U.S. Travel Data Center, Washington, DC, *National Travel Survey*, annual, (copyright).

## No. 405. Domestic Travel Expenditures, by State: 1989

[Represents U.S. spending on domestic overnight trips and day trips of 100 miles or more away from home. Excludes spending by foreign visitors and by U.S. residents in U.S. territories and abroad]

STATE	Total (mil. dol.)	Share of total (per- cent)	Rank	STATE	Total (mil. dol.)	Share of total (per- cent)	Rank	STATE	Total (mil. dol.)	Share of total (per- cent)	Rank
U.S. total .....	272,027	100.0	(X)	KS .....	2,176	0.8	34	ND .....	702	0.3	49
AL .....	3,150	1.2	27	KY .....	2,901	1.1	30	OH .....	7,253	2.7	10
AK .....	1,000	0.4	45	LA .....	4,161	1.5	22	OK .....	2,362	0.9	32
AZ .....	4,370	1.6	20	ME .....	1,357	0.5	40	OR .....	3,141	1.2	28
AR .....	2,065	0.8	36	MD .....	4,273	1.6	21	PA .....	8,664	3.2	8
CA .....	38,241	14.1	1	MA .....	6,252	2.3	14	RI .....	621	0.2	51
CO .....	4,844	1.8	18	MI .....	6,427	2.4	12	SC .....	3,937	1.4	23
CT .....	3,022	1.1	29	MINN .....	3,587	1.3	25	SD .....	679	0.2	50
DE .....	748	0.3	48	MS .....	1,821	0.7	38	TN .....	5,530	2.0	15
DC .....	2,714	1.0	31	MO .....	5,393	2.0	17	TX .....	15,543	5.7	4
FL .....	24,437	9.0	2	MT .....	1,179	0.4	42	UT .....	2,117	0.8	35
GA .....	7,054	2.6	11	NE .....	1,509	0.6	39	VT .....	889	0.3	47
HI .....	5,492	2.0	16	NH .....	9,753	3.6	6	VA .....	7,827	2.9	9
ID .....	1,179	0.4	41	NJ .....	1,120	0.4	44	WA .....	4,451	1.6	19
IL .....	10,865	4.0	5	NM .....	8,974	3.3	7	WV .....	1,161	0.4	43
IN .....	3,493	1.3	26	NY .....	2,007	0.7	37	WI .....	3,647	1.3	24
IA .....	2,341	0.9	33	NC .....	18,301	6.7	3	WY .....	990	0.4	46

X Not applicable.

Source: U.S. Travel Data Center, Washington, DC, *Impact of Travel on State Economies, 1989*, (copyright).

**No. 406. Business Receipts and Employment of Selected Travel Industry Sectors: 1975 to 1990**

YEAR	BUSINESS RECEIPTS (mil. dol.)							EMPLOYMENT (1,000)						
	Travel industry, total	Transportation <sup>1</sup>			Motel, hotel	Eating and drinking places	Amusement and recreation services	Travel industry, total	Transportation		Eating and drinking places	Hotels, motels, and tourist courts	Amusement and recreation services	
		Air <sup>2</sup>	Bus	Rail <sup>3</sup>					Intercity highway passengers	Air				
1975	94,549	10,301	1,172	247	13,002	51,067	18,760	5,228.5	39.9	362.8	3,379.5	849.5	596.8	
1980	163,015	23,405	1,709	382	26,832	90,058	20,629	6,918.3	37.9	453.4	4,625.8	1,037.7	763.5	
1981	180,774	25,598	1,809	429	31,572	98,118	23,248	7,102.2	38.1	454.6	4,749.5	1,076.4	793.6	
1982	189,433	25,488	1,854	436	32,749	104,593	24,313	7,205.6	38.8	443.6	4,831.2	1,092.8	799.2	
1983	205,228	27,519	1,965	481	35,897	113,281	26,085	7,481.3	35.5	455.2	5,041.8	1,131.1	817.7	
1984	221,931	31,437	2,035	524	38,917	121,321	27,697	7,938.7	37.3	485.5	5,388.0	1,221.3	803.6	
1985	235,437	33,343	1,989	563	41,837	127,949	29,756	8,396.4	34.8	522.0	5,709.2	1,289.9	840.4	
1986	251,213	33,846	1,890	592	43,300	139,415	32,170	8,717.6	33.2	566.7	5,916.2	1,337.6	863.9	
1987	276,157	37,555	1,826	639	48,200	153,461	34,476	9,058.7	30.1	603.3	6,105.8	1,427.0	892.5	
1988	301,817	41,963	2,036	738	52,400	166,860	37,820	9,377.0	29.0	644.3	6,281.8	1,503.0	918.3	
1989	320,348	45,320	2,185	842	58,138	173,894	39,969	9,760.0	30.8	683.9	6,439.0	1,561.3	1,045.1	
1990	334,881	45,324	2,000	888	60,490	182,044	44,135	10,027.0	26.1	751.3	6,565.2	1,595.4	1,068.8	

<sup>1</sup> Passenger transport service. <sup>2</sup> U.S. certificated carriers in domestic service. <sup>3</sup> Covers fiscal years October 1 through September 30.

Source: U.S. Travel Data Center, Washington, DC, *The 1990-91 Economic Review of Travel in America*, (copyright).

**No. 407. International Travelers and Expenditures—Summary: 1970 to 1991**

[For coverage, see tables 408 and 409. Beginning 1984, receipts, payments, and fares not comparable with previous years. See source for details. Minus sign (-) indicates deficit. See also *Historical Statistics, Colonial Times to 1970*, series H 921, 928, 941, and 945.]

YEAR	TRAVEL AND PASSENGER FARE (mil. dol.)					U.S. net travel and passenger payments (mil. dol.)	U.S. travelers abroad <sup>2</sup> (1,000)	Foreign visitors to the U.S. <sup>2</sup> (1,000)			
	Payments by U.S. travelers		Receipts from foreign visitors								
	Total <sup>1</sup>	Expenditures abroad	Total <sup>1</sup>	Travel receipts							
1970	5,195	3,980	2,708	2,331	-2,487	(NA)	(NA)	12,362			
1975	8,680	6,417	5,464	4,697	-3,216	(NA)	(NA)	15,698			
1980	14,004	10,397	12,650	10,588	-1,354	22,365	22,326	21,667			
1982	17,166	12,394	15,085	12,393	-2,081	23,148	24,853	21,652			
1983	19,152	13,149	14,044	10,947	-5,108	34,388	35,257	26,913			
1984	29,183	23,305	21,064	17,050	-8,119	35,257	37,684	26,158			
1985	31,805	25,155	21,986	17,663	-9,819	37,684	41,247	34,238			
1986	33,412	26,746	25,730	20,273	-7,682	41,643	43,558	36,605			
1987	37,433	30,022	30,232	23,366	-7,201	39,996	42,320	29,489			
1988	41,030	33,098	37,706	28,935	-3,324	41,247	43,558	34,238			
1989	42,935	34,548	45,547	35,173	-2,612	41,643	43,558	36,605			
1990	47,634	38,671	52,830	40,579	5,196	47,173	49,173	39,089			
1991, est.	48,707	39,418	59,387	45,551	10,680	42,320	42,320	42,114			

NA Not available. <sup>1</sup> Includes passenger fares not shown separately. <sup>2</sup> Mexico visitation data are under-reported.

Source: Travelers and visitors: U.S. Travel and Tourism Administration (USTTA), unpublished data. Fares and Payments: Through 1988, U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1990, and earlier issues; beginning 1989, USTTA, based on data from the Bureau of Economic Analysis.

**No. 408. U.S. Travel to Foreign Countries—Travelers and Expenditures: 1984 to 1991**

[Travelers in thousands; expenditures in millions of dollars. Covers residents of the United States, its territories and possessions. See source for details. See also *Historical Statistics, Colonial Times to 1970*, series H 921-940.]

ITEM AND AREA	1984	1985	1986	1987	1988	1989	1990	1991, est.
<b>Total travelers</b>	<b>34,388</b>	<b>35,257</b>	<b>37,684</b>	<b>39,996</b>	<b>41,247</b>	<b>41,643</b>	<b>43,558</b>	<b>42,320</b>
Canada	11,706	12,100	14,134	13,306	13,341	12,689	12,666	12,540
Mexico	10,992	10,461	11,512	13,074	13,463	14,163	14,900	15,365
<b>Total overseas</b>	<b>11,690</b>	<b>12,696</b>	<b>12,038</b>	<b>13,816</b>	<b>14,443</b>	<b>14,791</b>	<b>15,990</b>	<b>14,415</b>
Europe	5,623	6,780	5,887	6,114	7,438	7,233	8,043	(NA)
Latin America <sup>1</sup>	1,040	977	1,011	1,049	1,184	1,301	1,519	(NA)
Other	5,027	4,939	5,140	6,453	5,821	6,257	6,428	(NA)
<b>Expenditures abroad</b>	<b>23,305</b>	<b>25,155</b>	<b>26,746</b>	<b>30,022</b>	<b>33,098</b>	<b>34,548</b>	<b>38,871</b>	<b>39,418</b>
Canada	2,228	2,503	3,030	2,835	3,228	3,390	3,499	3,681
Mexico	3,358	3,280	3,579	3,975	4,828	5,657	5,999	6,747
<b>Total overseas</b>	<b>17,719</b>	<b>19,372</b>	<b>20,137</b>	<b>23,112</b>	<b>25,042</b>	<b>25,501</b>	<b>29,173</b>	<b>28,990</b>
Europe	7,917	9,382	9,166	10,209	11,313	11,924	14,403	14,270
Latin America <sup>1</sup>	1,759	1,706	1,771	2,178	2,591	2,416	2,411	2,434
Other	8,043	8,284	9,180	10,725	11,138	11,161	12,359	12,286
Fares to foreign carriers	5,878	6,650	6,666	7,411	7,932	8,387	8,963	9,289

NA Not available. <sup>1</sup> Includes Central and South America.

Source: Travelers: U.S. Travel and Tourism Administration (USTTA), unpublished data. Expenditures: Through 1988, U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1990, and earlier issues; beginning 1989, USTTA, based on data from the Bureau of Economic Analysis.

## No. 409. Foreign Travel to the United States—Travelers and Receipts: 1984 to 1991

[Travelers in thousands; receipts in millions of dollars. Includes travelers for business and pleasure, foreigners in transit through the United States, and students; excludes travel by foreign government personnel and foreign businessmen employed in the United States. See source for details. See also *Historical Statistics, Colonial Times to 1970*, series H 946-951]

AREA OF ORIGIN	1984	1985	1986	1987	1988	1989	1990	1991
<b>International travelers . . . . .</b>	<b>26,913</b>	<b>25,416</b>	<b>26,158</b>	<b>29,489</b>	<b>34,238</b>	<b>36,805</b>	<b>39,089</b>	<b>42,114</b>
Canada . . . . .	10,982	10,880	10,943	12,418	13,843	15,366	17,262	18,927
Mexico . . . . .	8,403	6,999	6,355	6,637	7,883	7,240	6,768	7,032
Total overseas . . . . .	7,528	7,537	8,860	10,434	12,512	13,999	15,059	16,155
Europe . . . . .	2,981	2,905	3,722	4,663	5,772	6,251	6,659	7,360
Latin America <sup>1</sup> . . . . .	1,065	1,068	1,255	1,265	1,363	1,518	1,740	2,019
Other . . . . .	3,482	3,564	3,883	4,506	5,377	6,230	6,660	6,776
<b>Total receipts . . . . .</b>	<b>17,050</b>	<b>17,863</b>	<b>20,273</b>	<b>23,366</b>	<b>28,935</b>	<b>35,173</b>	<b>40,579</b>	<b>45,551</b>
Canada . . . . .	2,612	2,571	2,689	3,294	3,986	4,852	5,690	6,572
Mexico . . . . .	1,905	2,013	1,942	2,040	2,652	3,398	4,004	4,572
Total overseas . . . . .	12,533	13,079	15,642	18,032	22,297	26,923	30,885	34,407
Europe . . . . .	4,411	4,772	5,836	7,585	9,762	10,987	12,635	14,347
Latin America <sup>1</sup> . . . . .	2,236	2,065	2,519	2,504	2,724	3,250	3,856	4,416
Other . . . . .	5,866	6,242	7,287	7,943	9,811	12,686	14,394	15,644
Fares to U.S. carriers . . . . .	4,014	4,323	5,457	6,866	8,771	10,374	12,251	13,836

<sup>1</sup> Includes Central and South America.

Source: Travelers: U.S. Travel and Tourism Administration (USTTA), unpublished data. Receipts: Through 1988, U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1990, and earlier issues; beginning 1989, USTTA, based on data from the Bureau of Economic Analysis.

## No. 410. Foreign Visitors for Pleasure Admitted, by Country of Last Residence: 1985 to 1990

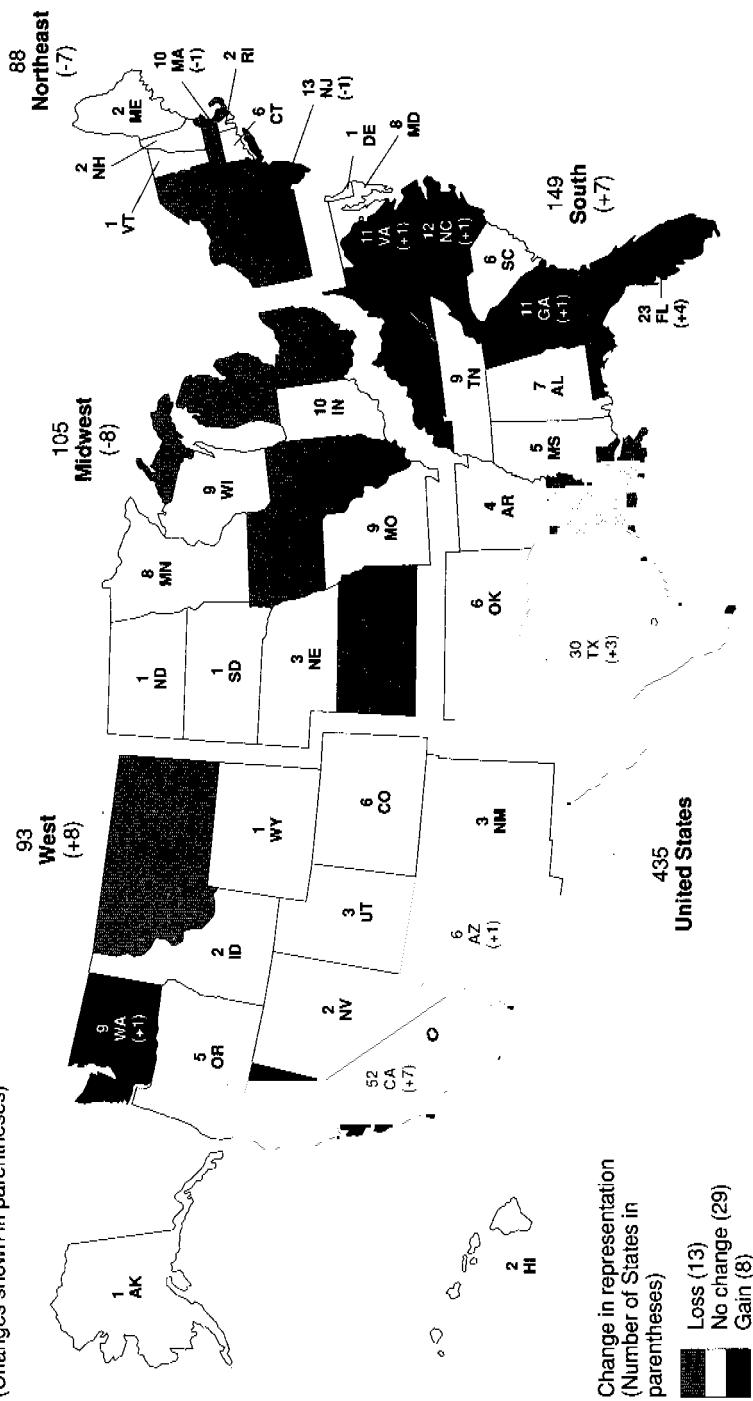
[In thousands. For years ending September 30. See headnote, table 7, section 1]

COUNTRY	1985	1988	1989	1990	COUNTRY	1985	1988	1989	1990
<b>Total <sup>1</sup> . . . . .</b>	<b>6,609</b>	<b>10,821</b>	<b>12,115</b>	<b>13,418</b>	Africa <sup>2</sup> . . . . .	101	103	108	105
Europe <sup>2</sup> . . . . .	2,048	4,459	4,967	5,383	Egypt . . . . .	16	16	16	16
Austria . . . . .	34	85	82	87	Nigeria . . . . .	25	15	14	11
Belgium . . . . .	39	82	80	95	Oceania <sup>2</sup> . . . . .	282	430	497	562
Denmark . . . . .	36	78	86	75	Australia . . . . .	195	265	324	380
Finland . . . . .	24	50	57	83	New Zealand . . . . .	74	138	144	153
France . . . . .	226	473	497	566	North America . . . . .	1,664	2,013	2,293	2,463
Greece . . . . .	34	42	43	43	Canada . . . . .	79	84	101	119
Ireland . . . . .	55	94	91	81	Mexico . . . . .	773	820	999	1,061
Italy . . . . .	155	271	276	308	Caribbean <sup>2</sup> . . . . .	584	824	899	963
Netherlands . . . . .	82	176	190	214	Bahamas, the . . . . .	211	310	316	332
Norway . . . . .	41	76	81	80	Barbados . . . . .	17	28	32	34
Poland . . . . .	40	43	52	55	Cayman Islands . . . . .	18	27	28	31
Soviet Union . . . . .	2	19	38	53	Dominican Republic . . . . .	57	90	114	137
Spain . . . . .	64	130	160	183	Haiti . . . . .	56	63	63	57
Sweden . . . . .	71	168	207	230	Jamaica . . . . .	74	121	134	132
Switzerland . . . . .	110	227	221	236	Netherlands Antilles . . . . .	27	24	26	31
United Kingdom . . . . .	598	1,397	1,780	1,899	Trinidad and Tobago . . . . .	71	77	82	81
West Germany . . . . .	373	942	897	969	Central America <sup>2</sup> . . . . .	228	285	294	320
Asia <sup>2</sup> . . . . .	1,866	2,985	3,317	3,830	Costa Rica . . . . .	41	46	50	62
China (Mainland China and Taiwan) . . . . .	83	105	136	187	El Salvador . . . . .	38	40	46	46
Hong Kong . . . . .	64	84	97	111	Guatemala . . . . .	53	78	86	91
India . . . . .	52	73	73	75	Panama . . . . .	38	46	41	43
Israel . . . . .	80	119	121	128	South America <sup>2</sup> . . . . .	606	796	896	1,016
Japan . . . . .	1,277	2,247	2,483	2,846	Argentina . . . . .	66	98	106	136
Korea . . . . .	26	35	75	120	Brazil . . . . .	148	233	272	300
Philippines . . . . .	59	73	69	76	Chile . . . . .	28	43	57	54
Saudi Arabia . . . . .	31	31	33	33	Colombia . . . . .	123	119	122	122
Singapore . . . . .	23	30	30	32	Ecuador . . . . .	42	46	52	57
					Peru . . . . .	44	63	74	97
					Venezuela . . . . .	122	137	162	199

<sup>1</sup> Includes countries unknown or not reported. <sup>2</sup> Includes countries not shown separately.

Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual.

**Figure 8.1**  
**Congressional Representation in 1990 and Changes Since 1980, by State**  
 (Changes shown in parentheses)



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 417.

# Elections

This section relates primarily to Presidential, congressional, and gubernatorial elections. Also presented are summary tables on congressional legislation; State legislatures; Black, Hispanic, and female office-holders; population of voting age; voter participation; and campaign finances.

Official statistics on Federal elections, collected by the Clerk of the House, are published biennially in *Statistics of the Presidential and Congressional Election* and *Statistics of the Congressional Election*. Federal and State elections data appear also in *America Votes*, a biennial volume of the Elections Research Center, Chevy Chase, MD. Federal elections data also appear in the U.S. Congress, *Congressional Directory*, and in official State documents. Data on reported registration and voting for social and economic groups are obtained by the U.S. Bureau of the Census as part of the Current Population Survey (CPS) and are published in *Current Population Reports*, series P-20 (see text, section 1).

Almost all Federal, State, and local governmental units in the United States conduct elections for political offices and other purposes. The conduct of elections is regulated by State laws or, in some cities and counties, by local charter. An exception is that the U.S. Constitution prescribes the basis of representation in Congress and the manner of electing the President, and grants to Congress the right to regulate the times, places, and manner of electing Federal officers. Amendments to the Constitution have prescribed national criteria for voting eligibility. The 15th Amendment, adopted in 1870, gave all citizens the right to vote regardless of race, color, or previous condition of servitude. The 19th Amendment, adopted in 1919, further extended the right to vote to all citizens regardless of sex. The payment of poll taxes as a prerequisite to voting in Federal elections was banned by the 24th Amendment in 1964. In 1971, as a result of the 26th Amendment, eligibility to vote in national elections was extended to all citizens, 18 years old and over.

## In Brief

**Projected voting-age population in November 1992:** 189 million

**Persons with grade school education in 1990:**

<i>Strong or weak Democrats</i>	54%
<i>Strong or weak Republicans</i>	11%

**Persons with college education in 1990:**

<i>Strong or weak Democrats</i>	34%
<i>Strong or weak Republicans</i>	31%

**Presidential election.**—The Constitution specifies how the President and Vice President are selected. Each State elects, by popular vote, a group of electors equal in number to its total of members of Congress. The 23d Amendment, adopted in 1961, grants the District of Columbia three presidential electors, a number equal to that of the least populous State. Subsequent to the election, the electors meet in their respective States to vote for President and Vice President. Usually, each elector votes for the candidate receiving the most popular votes in his or her State. A majority vote of all electors is necessary to elect the President and Vice President. If no candidate receives a majority, the House of Representatives, with each State having one vote, is empowered to elect the President and Vice President, again, with a majority of votes required.

The 22d Amendment to the Constitution, adopted in 1951, limits presidential tenure to two elective terms of 4 years each, or to one elective term for any person who, upon succession to the Presidency, has held the office or acted as President for more than 2 years.

**Congressional election.**—The Constitution provides that Representatives be apportioned among the States according to their population; that a census of population be taken every 10 years as a basis for apportionment; and that each State have at least one Representative. At the time of each apportionment, Congress decides what the total number of

Representatives will be. Since 1912, the total has been 435, except during 1960 to 1962 when it increased to 437, adding one Representative each for Alaska and Hawaii. The total reverted to 435 after reapportionment following the 1960 census. Members are elected for 2-year terms, all terms covering the same period. The District of Columbia, American Samoa, Guam, and the Virgin Islands each elect one nonvoting Delegate and Puerto Rico elects a nonvoting Resident Commissioner.

The Senate is composed of 100 members, two from each State, who are elected to serve for a term of 6 years. One-third of the Senate is elected every 2 years. Senators were originally chosen by the State legislatures. The 17th Amendment to the Constitution, adopted in 1913, prescribed that Senators be elected by popular vote.

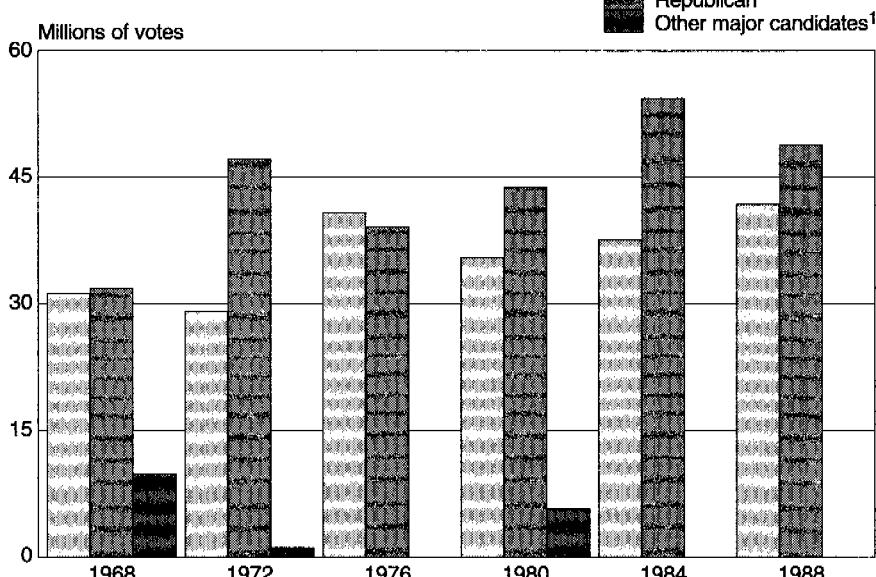
**Voter eligibility and participation.**—The Census Bureau publishes estimates of the population of voting

age and the percent casting votes in each State for Presidential and congressional election years. These voting-age estimates include a number of persons who meet the age requirement but are not eligible to vote, (e.g. aliens and some institutionalized persons). In addition, since 1964, voter participation and voter characteristics data have been collected during November of election years as part of the CPS. These survey data include noncitizens in the voting age population estimates, but exclude members of the Armed Forces and the institutional population.

**Statistical reliability.**—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

Figure 8.2  
Popular Vote Cast for President, by  
Major Party: 1968 to 1988



<sup>1</sup>1968—American Independent, George Wallace; 1972—American, John Schmitz; 1980—Independent, John Anderson.

Source: Chart prepared by U.S. Bureau of the Census. For data, see tables 411 and 412.

**No. 411. Vote Cast for President, by Major Political Party: 1932 to 1988**

[Prior to 1960, excludes Alaska and Hawaii; prior to 1964, excludes DC. Vote cast for major party candidates include the votes of minor parties cast for those candidates. See also *Historical Statistics, Colonial Times to 1970*, series Y 79-83 and Y 135]

YEAR	CANDIDATES FOR PRESIDENT		VOTE CAST FOR PRESIDENT					
	Democratic	Republican	Total popular vote (1,000)	Democratic		Republican		Electoral vote
				Number (1,000)	Percent	Popular vote (1,000)	Percent	
1932 . . . . .	F. D. Roosevelt . . . . .	Hoover . . . . .	39,759	22,830	57.4	472	15,761	39.6
1936 . . . . .	F. D. Roosevelt . . . . .	Landon . . . . .	45,655	27,757	60.8	523	16,684	36.5
1940 . . . . .	F. D. Roosevelt . . . . .	Willkie . . . . .	49,900	27,313	54.7	449	22,348	44.8
1944 . . . . .	F. D. Roosevelt . . . . .	Dewey . . . . .	47,977	25,613	53.4	432	22,018	45.9
1948 . . . . .	Truman . . . . .	Dewey . . . . .	48,794	24,179	49.6	303	21,991	45.1
1952 . . . . .	Stevenson . . . . .	Eisenhower . . . . .	61,551	27,315	44.4	89	33,936	55.1
1956 . . . . .	Stevenson . . . . .	Eisenhower . . . . .	62,027	26,023	42.0	73	35,590	57.4
1960 . . . . .	Kennedy . . . . .	Nixon . . . . .	68,838	34,227	49.7	303	34,108	49.5
1964 . . . . .	Johnson . . . . .	Goldwater . . . . .	70,645	43,130	61.1	486	27,178	38.5
1968 . . . . .	Humphrey . . . . .	Nixon . . . . .	73,212	31,275	42.7	191	31,785	43.4
1972 . . . . .	McGovern . . . . .	Nixon . . . . .	77,719	29,170	37.5	17	47,170	60.7
1976 . . . . .	Carter . . . . .	Ford . . . . .	81,556	40,831	50.1	297	39,148	48.0
1980 . . . . .	Carter . . . . .	Reagan . . . . .	86,515	35,484	41.0	49	43,904	50.7
1984 . . . . .	Mondale . . . . .	Reagan . . . . .	92,653	37,577	40.6	13	54,455	58.8
1988 . . . . .	Dukakis . . . . .	Bush . . . . .	91,595	41,809	45.6	111	48,886	53.4

<sup>1</sup> Include votes for minor party candidates, independents, unpledged electors, and scattered write-in votes.

**No. 412. Vote Cast for Leading Minority Party Candidates for President: 1932 to 1988**

[See headnote, table 411]

YEAR	Candidate	Party	Popular vote (1,000)	Candidate	Party	Popular vote (1,000)
1932 . . . . .	Norman Thomas . . . . .	Socialist . . . . .	885	William Z. Foster . . . . .	Communist . . . . .	103
1936 . . . . .	William Lemke . . . . .	Union . . . . .	892	Norman Thomas . . . . .	Socialist . . . . .	188
1940 . . . . .	Norman Thomas . . . . .	Socialist . . . . .	116	Roger Babson . . . . .	Prohibition . . . . .	59
1944 . . . . .	Norman Thomas . . . . .	Socialist . . . . .	79	Claude Watson . . . . .	Prohibition . . . . .	75
1948 . . . . .	Storm Thurmond . . . . .	States' Rights . . . . .	1,176	Henry Wallace . . . . .	Progressive . . . . .	1,157
1952 . . . . .	Vincent Hallinan . . . . .	Progressive . . . . .	140	Stuart Hamblen . . . . .	Prohibition . . . . .	73
1956 . . . . .	T. Coleman Andrews . . . . .	States' Rights . . . . .	111	Eric Hass . . . . .	Socialist Labor . . . . .	44
1960 . . . . .	Eric Hass . . . . .	Socialist Labor . . . . .	48	Rutherford Decker . . . . .	Prohibition . . . . .	46
1964 . . . . .	Eric Hass . . . . .	Socialist Labor . . . . .	45	Clifton DeBerry . . . . .	Socialist Workers . . . . .	33
1968 . . . . .	George Wallace . . . . .	American Independent . . . . .	9,908	Henning Blomen . . . . .	Socialist Labor . . . . .	53
1972 . . . . .	John Schmitz . . . . .	American . . . . .	1,099	Benjamin Spock . . . . .	People's . . . . .	79
1976 . . . . .	Eugene McCarthy . . . . .	Independent . . . . .	757	Roger McBride . . . . .	Libertarian . . . . .	173
1980 . . . . .	John Anderson . . . . .	Independent . . . . .	5,720	Ed Clark . . . . .	Libertarian . . . . .	921
1984 . . . . .	David Bergland . . . . .	Libertarian . . . . .	228	Lyndon H. LaRouche . . . . .	Independent . . . . .	79
1988 . . . . .	Ron Paul . . . . .	Libertarian . . . . .	432	Lenora B. Fulani . . . . .	New Alliance . . . . .	217

Source of tables 411 and 412: Elections Research Center, Chevy Chase, MD, *America at the Polls 2*, 1965, and *America Votes*, biennial, (copyright).

**No. 413. Democratic and Republican Percentages of Two-Party Presidential Vote, by Selected Characteristics of Voters: 1984 and 1988**

[In percent. Covers citizens of voting-age living in private housing units in the contiguous United States. Percentages for Democratic Presidential vote are computed by subtracting the percentage Republican vote from 100 percent; third party votes are not included as valid data. Data are from the National Election Studies and are based on a sample (for 1988, 2,040 respondents) and subject to sampling variability; for details, see source]

CHARACTERISTIC	1984		1988		CHARACTERISTIC	1984		1988	
	Democratic	Repub-lican	Democratic	Repub-lican		Democratic	Repub-lican	Democratic	Repub-lican
Total <sup>1</sup> . . . . .	42	58	47	53	Race:				
Year of birth:					White . . . . .	37	63	41	59
1959 or later . . . . .	42	58	48	52	Black . . . . .	91	9	92	8
1943 to 1958 . . . . .	41	59	47	53	Education:				
1927 to 1942 . . . . .	40	60	49	51	Grade school . . . . .	62	38	61	39
1911 to 1926 . . . . .	44	56	44	56	High school . . . . .	42	58	51	49
1895 to 1910 . . . . .	42	58	47	53	College . . . . .	38	62	42	58
Sex:					Union household . . . . .	57	43	59	41
Male . . . . .	38	62	44	57	Non-union household . . . . .	37	63	44	56
Female . . . . .	45	55	50	50					

<sup>1</sup> Includes other characteristics, not shown separately.

Source: Center for Political Studies, University of Michigan, Ann Arbor, MI. Data are published in Warren E. Miller and Santa A. Traugott, *American National Election Studies Data Sourcebook, 1952-1986*, Harvard University Press, Cambridge, MA, 1989 (copyright).

**No. 414. Electoral Vote Cast for President, by Major Political Party—States: 1948 to 1988**

[D=Democratic, R=Republican. For composition of regions, see table 25. See also *Historical Statistics, Colonial Times to 1970*, series Y 84-1341]

REGION, DIVISION, AND STATE	1948 <sup>1</sup>	1952	1956 <sup>2</sup>	1960 <sup>3</sup>	1964	1968 <sup>4</sup>	1972 <sup>5</sup>	1976 <sup>6</sup>	1980	1984	1988 <sup>7</sup>
<b>Democratic.....</b>	303	69	73	303	486	191	17	297	49	13	111
<b>Republican.....</b>	189	442	457	219	52	301	520	240	489	525	426
<b>Northeast: Democratic.....</b>	20	-	-	121	126	102	14	86	4	-	53
Republican.....	118	133	133	12	-	24	108	36	118	113	60
<b>Midwest: Democratic.....</b>	101	-	13	71	149	31	-	58	10	10	29
Republican.....	54	153	140	82	-	118	145	87	135	127	108
<b>South: Democratic.....</b>	117	89	60	101	121	45	3	149	31	3	8
Republican.....	11	77	105	50	47	77	165	20	138	174	168
<b>West: Democratic.....</b>	65	-	-	10	90	13	-	4	4	-	21
Republican.....	6	79	79	75	5	82	102	97	98	111	90
<b>New England: ME.....</b>	R-5	R-5	R-5	R-5	D-4	D-4	R-4	R-4	R-4	R-4	R-4
NH.....	R-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	R-4	R-4	R-4
VT.....	R-3	R-3	R-3	R-3	D-3	R-3	R-3	R-3	R-3	R-3	R-3
MA.....	D-16	R-16	R-16	D-16	D-14	D-14	D-14	D-14	R-14	R-13	D-13
RI.....	D-4	R-4	R-4	D-4	D-4	R-4	D-4	D-4	R-4	R-4	D-4
CT.....	R-8	R-8	R-8	D-8	D-8	R-8	R-8	R-8	R-8	R-8	R-8
<b>Middle Atlantic: NY.....</b>	R-47	R-45	R-45	D-45	D-43	D-43	R-41	D-41	R-41	R-36	R-36
NJ.....	R-16	R-16	R-16	D-16	D-17	R-17	R-17	R-17	R-17	R-16	R-16
PA.....	R-35	R-32	R-32	D-32	D-29	D-29	R-27	D-27	R-27	R-25	R-25
<b>East North Central: OH.....</b>	D-25	R-25	R-25	D-25	D-26	R-26	R-25	D-25	R-25	R-23	R-23
IN.....	R-13	R-13	R-13	R-13	D-13	R-13	R-13	R-13	R-13	R-12	R-12
IL.....	D-28	R-27	R-27	D-27	D-26	R-26	R-26	R-26	R-26	R-24	R-24
MI.....	R-19	R-20	R-20	D-20	D-21	R-21	R-21	R-21	R-21	R-20	R-20
WI.....	D-12	R-12	R-12	R-12	R-12	R-12	R-11	D-11	R-11	R-11	D-11
<b>West North Central: MN.....</b>	D-11	R-11	R-11	D-11	D-10	D-10	R-10	D-10	D-10	D-10	D-10
IA.....	D-10	R-10	R-10	R-10	D-9	R-9	R-8	R-8	R-8	R-8	D-8
MO.....	D-15	R-13	D-13	D-13	D-12	R-12	R-12	D-12	R-12	R-11	R-11
ND.....	R-4	R-4	R-4	R-4	D-4	R-4	R-3	R-3	R-3	R-3	R-3
SD.....	R-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	R-4	R-3	R-3
NE.....	R-6	R-6	R-6	R-6	D-5	R-5	R-5	R-5	R-5	R-5	R-5
KS.....	R-8	R-8	R-8	R-8	D-7	R-7	R-7	R-7	R-7	R-7	R-7
<b>South Atlantic: DE.....</b>	R-3	R-3	R-3	D-3	D-3	R-3	R-3	D-3	R-3	R-3	R-3
MD.....	R-8	R-9	R-9	D-9	D-10	D-10	R-10	D-10	D-10	R-10	R-10
DC.....	(X)	(X)	(X)	(X)	D-3	D-3	D-3	D-3	D-3	D-3	D-3
VA.....	D-11	R-12	R-12	R-12	D-12	R-12	R-11	R-12	R-12	R-12	R-12
WV.....	D-8	R-8	R-8	D-8	D-7	D-7	R-6	D-6	D-6	R-6	D-5
NC.....	D-14	R-14	D-14	D-14	D-13	R-12	R-12	D-13	R-13	R-13	R-13
SC.....	(1)	D-8	D-8	D-8	R-8	R-8	R-8	D-8	R-8	R-8	R-8
GA.....	D-12	R-12	D-12	D-12	R-12	R-12	(1)	R-12	D-12	R-12	R-12
FL.....	D-8	R-10	R-10	R-10	D-14	R-14	R-17	D-17	R-17	R-21	R-21
<b>East South Central: KY.....</b>	D-11	D-10	R-10	R-10	D-9	R-9	R-9	D-9	R-9	R-9	R-9
TN.....	1D-11	R-11	R-11	B-11	D-11	R-11	R-10	D-10	R-10	R-11	R-11
AL.....	(1)	D-11	D-10	D-5	R-10	(1)	R-9	D-9	R-9	R-9	R-9
MS.....	(1)	D-8	D-8	(3)	R-7	(4)	R-7	D-7	R-7	R-7	R-7
<b>West South Central: AR.....</b>	D-9	D-8	D-8	D-8	D-6	(4)	R-6	D-6	R-6	R-6	R-6
LA.....	(1)	D-10	R-10	D-10	R-10	(1)	R-10	D-10	R-10	R-10	R-10
OK.....	D-10	R-8	R-8	R-7	D-8	R-8	R-8	R-8	R-8	R-8	R-8
TX.....	D-23	R-24	R-24	D-24	D-25	D-25	R-26	D-26	R-26	R-29	R-29
<b>Mountain: MT.....</b>	D-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	R-4	R-4	R-4
ID.....	D-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	R-4	R-4	R-4
WY.....	D-3	R-3	R-3	R-3	D-3	R-3	R-3	R-3	R-3	R-3	R-3
CO.....	D-6	R-6	R-6	R-6	D-6	R-6	R-7	R-7	R-7	R-8	R-8
NM.....	D-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	R-4	R-5	R-5
AZ.....	D-4	R-4	R-4	R-4	R-5	R-5	R-6	R-6	R-6	R-7	R-7
UT.....	D-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	R-4	R-5	R-5
NV.....	D-3	R-3	R-3	D-3	D-3	R-3	R-3	R-3	R-3	R-4	R-4
<b>Pacific: WA.....</b>	D-8	R-9	R-9	R-9	D-9	D-9	R-9	R-8	R-9	R-10	D-10
OR.....	R-6	R-6	R-6	R-6	D-6	R-6	R-6	R-6	R-6	R-7	D-7
CA.....	D-25	R-32	R-32	R-32	D-40	R-40	R-45	R-45	R-45	R-47	R-47
AK.....	(X)	(X)	(X)	(X)	R-3	D-3	R-3	R-3	R-3	R-3	R-3
HI.....	(X)	(X)	(X)	D-3	D-4	D-4	D-4	D-4	R-4	D-4	D-4

- Represents zero. X Not applicable. <sup>1</sup> Excludes 39 electoral votes cast for States' Rights Democratic candidates as follows: AL 11, LA 10, MS 9, SC 8, and TN 1. <sup>2</sup> Excludes one electoral vote cast for Walter B. Jones in Alabama. <sup>3</sup> Excludes 15 electoral votes cast for Harry F. Byrd as follows: AL 6, MS 8, and OK 1. <sup>4</sup> Excludes 46 electoral votes cast for American Independent George C. Wallace as follows: AL 10, AR 6, GA 12, LA 10, MS 7, and NC 1. <sup>5</sup> Excludes one electoral vote cast for Libertarian John Hospers in Virginia. <sup>6</sup> Excludes one electoral vote cast for Ronald Reagan in Washington. <sup>7</sup> Excludes one electoral vote cast for Lloyd Bentsen for President in West Virginia.

Source: 1948-1972, U.S. Congress, Clerk of the House, *Statistics of the Presidential and Congressional Election*, quadrennial; 1976-1988, Elections Research Center, Chevy Chase, MD, *America Votes*, biennial, (copyright).

# State Votes Cast for President

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## No. 415. Popular Vote Cast for President, by Political Party—States: 1980 to 1988

[In thousands, except percent. D=Democratic, R=Republican. Leading party vote refers to the party vote representing either a majority or a plurality for the victorious party in the area shown. See also *Historical Statistics, Colonial Times to 1970*, series Y 135-186.]

REGION, DIVISION, AND STATE	1980				1984				1988			
	Total	Democratic Party	Repub- lican Party	Per- cent for leading party	Total	Democratic Party	Repub- lican Party	Per- cent for leading party	Total	Democratic Party	Repub- lican Party	Percent for leading party
United States . .	86,515	35,484	43,904	R-50.7	92,653	37,577	54,455	R-58.8	91,595	41,809	48,886	R-53.4
Northeast . . . . .	19,206	8,019	9,147	R-47.6	20,483	9,046	11,338	R-55.3	19,852	9,689	9,981	R-50.2
N.E. . . . .	5,467	2,206	2,446	R-44.7	5,814	2,437	3,153	R-56.2	5,730	2,826	2,836	R-49.5
ME . . . . .	523	221	239	R-45.6	553	215	337	R-60.8	555	244	307	R-55.3
NH . . . . .	384	109	222	R-57.7	389	120	267	R-68.6	451	164	282	R-62.4
VT . . . . .	213	82	95	R-44.4	235	96	136	R-57.9	243	116	124	R-51.1
MA . . . . .	2,524	1,054	1,058	R-41.9	2,559	1,240	1,311	R-51.2	2,633	1,401	1,195	D-53.2
RI . . . . .	416	198	155	D-47.7	410	197	212	R-51.7	405	225	178	D-55.6
CT . . . . .	1,406	542	677	R-48.2	1,467	570	891	R-60.7	1,443	677	750	R-52.0
M.A. . . . .	13,739	5,813	6,703	R-48.8	14,870	6,609	8,183	R-55.0	14,121	6,863	7,125	R-50.5
NY . . . . .	6,202	2,728	2,894	R-46.7	6,807	3,120	3,665	R-53.8	6,486	3,348	3,082	D-51.6
NJ . . . . .	2,976	1,147	1,547	R-52.0	3,218	1,261	1,934	R-60.1	3,100	1,320	1,743	R-56.2
PA . . . . .	4,562	1,938	2,262	R-49.6	4,845	2,228	2,584	R-53.3	4,536	2,195	2,300	R-50.7
Midwest . . . . .	25,178	10,291	12,827	R-50.9	25,441	10,511	14,761	R-58.0	24,663	11,556	12,915	R-52.4
E.N.C. . . . .	17,458	7,221	8,825	R-50.5	17,613	7,279	10,213	R-58.0	16,982	7,819	9,038	R-53.2
OH . . . . .	4,284	1,752	2,207	R-51.5	4,548	1,825	2,679	R-58.9	4,394	1,940	2,417	R-55.0
IN . . . . .	2,242	844	1,258	R-56.0	2,233	841	1,377	R-61.7	2,169	861	1,298	R-59.8
IL . . . . .	4,750	1,981	2,358	R-49.6	4,819	2,086	2,707	R-56.2	4,559	2,216	2,311	R-50.7
MI . . . . .	3,910	1,662	1,915	R-49.0	3,802	1,530	2,252	R-59.2	3,669	1,676	1,965	R-53.6
WI . . . . .	2,273	982	1,089	R-47.9	2,212	996	1,199	R-54.2	2,192	1,127	1,047	D-51.4
W.N.C. . . . .	7,719	3,070	4,002	R-51.8	7,828	3,232	4,548	R-58.1	7,681	3,737	3,877	R-50.5
MN . . . . .	2,052	954	873	D-46.5	2,084	1,036	1,033	D-49.7	2,097	1,109	962	D-52.9
IA . . . . .	1,318	509	676	R-51.3	1,320	606	703	R-53.3	1,226	671	545	D-54.7
MO . . . . .	2,100	931	1,074	R-51.2	2,123	849	1,274	R-60.0	2,094	1,002	1,085	R-51.8
ND . . . . .	302	79	194	R-64.2	309	104	200	R-64.8	297	128	167	R-56.0
SD . . . . .	328	104	198	R-60.5	318	116	200	R-63.0	313	146	165	R-52.8
NE . . . . .	641	167	420	R-65.5	652	188	460	R-70.6	661	259	398	R-60.2
KS . . . . .	980	326	567	R-57.9	1,022	333	677	R-66.3	993	423	554	R-55.8
South . . . . .	25,813	11,554	13,118	R-50.8	28,833	10,998	17,699	R-61.4	28,558	12,004	16,327	R-57.2
S.A. . . . .	12,589	5,698	6,198	R-49.2	14,124	5,519	8,585	R-60.6	14,234	5,927	8,207	R-57.7
DE . . . . .	236	106	111	R-47.2	265	102	152	R-58.8	250	109	140	R-55.9
MD . . . . .	1,540	726	681	D-47.1	1,676	788	880	R-52.5	1,714	826	876	R-51.1
DC . . . . .	175	131	24	D-74.8	211	180	29	D-85.4	193	159	28	D-82.6
VA . . . . .	1,866	752	990	R-53.0	2,147	796	1,337	R-62.3	2,192	860	1,309	R-59.7
WV . . . . .	738	367	334	D-49.8	736	328	405	R-55.1	653	341	310	D-52.2
NC . . . . .	1,856	876	915	R-49.3	2,175	824	1,346	R-61.9	2,134	890	1,237	R-58.0
SC . . . . .	894	430	442	R-49.4	969	344	616	R-63.6	986	371	606	R-61.5
GA . . . . .	1,587	891	654	D-55.8	1,776	707	1,069	R-60.2	1,810	715	1,081	R-59.8
FL . . . . .	3,687	1,419	2,047	R-55.6	4,180	1,449	2,730	R-65.3	4,302	1,657	2,619	R-60.9
E.S.C. . . . .	5,147	2,485	2,518	R-48.9	5,464	2,155	3,267	R-59.8	5,289	2,174	3,055	R-58.0
KY . . . . .	1,295	616	635	R-49.1	1,369	540	822	R-60.0	1,323	580	734	R-55.5
TN . . . . .	1,618	763	788	R-48.7	1,712	712	990	R-57.8	1,636	680	947	R-57.9
AL . . . . .	1,342	637	654	R-48.8	1,442	552	873	R-60.5	1,378	550	816	R-59.2
MS . . . . .	893	429	441	R-49.4	941	352	582	R-61.9	932	364	558	R-59.9
W.S.C. . . . .	8,078	3,389	4,403	R-54.5	9,244	3,325	5,867	R-63.5	9,054	3,903	5,065	R-55.9
AR . . . . .	838	398	403	R-48.1	884	339	535	R-60.5	828	349	467	R-56.4
LA . . . . .	1,549	708	793	R-51.2	1,707	652	1,037	R-60.8	1,628	717	884	R-54.3
OK . . . . .	1,150	402	696	R-60.5	1,256	385	862	R-68.6	1,171	483	678	R-57.9
TX . . . . .	4,542	1,861	2,511	R-55.3	5,398	1,949	3,433	R-63.6	5,427	2,353	3,037	R-56.0
West . . . . .	16,318	5,620	8,813	R-54.0	17,895	7,022	10,659	R-59.6	18,622	8,560	9,683	R-52.3
Mt	4,346	1,251	2,637	R-60.7	4,796	1,546	3,131	R-66.1	5,014	2,043	2,887	R-57.6
MT . . . . .	364	118	207	R-56.8	384	147	232	R-60.5	366	169	190	R-52.1
ID . . . . .	437	110	291	R-66.5	411	109	298	R-72.4	409	147	254	R-62.1
WY . . . . .	177	49	111	R-62.6	189	53	133	R-70.5	177	67	107	R-60.5
CO . . . . .	1,184	368	652	R-55.1	1,295	455	822	R-63.4	1,372	621	728	R-53.1
NM . . . . .	457	168	251	R-54.9	514	202	307	R-59.7	521	244	270	R-51.9
AZ . . . . .	874	247	530	R-60.6	1,026	334	681	R-66.4	1,172	454	703	R-60.0
UT . . . . .	604	124	440	R-72.8	630	155	469	R-74.5	647	207	428	R-66.2
NV . . . . .	248	67	155	R-62.5	287	92	189	R-65.8	350	133	206	R-58.9
Pac . . . . .	11,973	4,369	6,177	R-51.6	13,159	5,476	7,528	R-57.2	13,509	6,517	8,797	R-50.3
WA . . . . .	1,742	650	865	R-49.7	1,884	807	1,052	R-55.8	1,865	934	904	D-50.0
OR . . . . .	1,182	457	571	R-48.3	1,227	536	686	R-55.9	1,202	616	560	D-51.3
CA . . . . .	8,587	3,084	4,525	R-52.7	9,505	3,923	5,467	R-57.5	9,887	4,702	5,055	R-51.1
AK . . . . .	158	42	86	R-54.3	208	62	138	R-66.7	200	73	119	R-59.6
HI . . . . .	303	136	130	D-44.8	336	147	185	R-55.1	354	192	159	D-54.3

<sup>1</sup> Includes other parties.

Source: Elections Research Center, Chevy Chase, MD, *America Votes*, biennial, (copyright.)

**No. 416. Vote Cast for United States Senators, 1988 and 1990, and Incumbent Senators, 1991—States**

[In thousands, except percent. D=Democrat; R=Republican]

DIVISION AND STATE	1988		1990		INCUMBENT SENATORS AND YEAR TERM EXPIRES	
	Total	Percent for leading party	Total	Percent for leading party	Name, party and year	Name, party and year
<b>N.E.:</b>						
ME . . . . .	557	D-81.2	520	R-61.3	George J. Mitchell (D) 1995	William S. Cohen (R) 1997
NH . . . . .	(X)	(X)	291	R-65.1	Warren B. Rudman (R) 1993	Robert C. Smith (R) 1997
VT . . . . .	240	R-68.0	(X)	(X)	Patrick J. Leahy (D) 1993	James M. Jeffords (R) 1995
MA . . . . .	2,606	D-65.0	2,316	D-57.1	Edward M. Kennedy (D) 1995	John Kerry (D) 1997
RI . . . . .	398	R-54.6	364	D-61.8	Claiborne Pell (D) 1997	John H. Chafee (R) 1995
CT . . . . .	1,384	D-49.8	(X)	(X)	Christopher J. Dodd (D) 1993	Joseph Lieberman (D) 1995
<b>M.A.:</b>						
NY . . . . .	6,041	D-67.0	(X)	(X)	Daniel Moynihan (D) 1995	Alfonse D'Amato (R) 1993
NJ . . . . .	2,988	D-53.6	1,938	D-50.4	Bill Bradley (D) 1997	Frank Lautenberg (D) 1995
PA . . . . .	4,367	R-66.5	1,383	D-55.0	Harris Wofford (D) 1995	Arlen Specter (R) 1993
<b>E.N.C.:</b>						
OH . . . . .	4,353	D-57.0	(X)	(X)	John Glenn (D) 1993	Howard Metzenbaum (D) 1995
IN . . . . .	2,099	R-68.1	2,1504	2R-53.6	Daniel R. Coats (R) 1993	Richard G. Lugar (R) 1995
IL . . . . .	(X)	(X)	3,251	D-65.1	Alan J. Dixon (D) 1993	Paul Simon (D) 1997
MI . . . . .	3,506	D-60.4	2,560	D-57.5	Carl Levin (D) 1997	Donald Riegle Jr. (D) 1995
WI . . . . .	2,168	D-52.1	(X)	(X)	Herb Kohl (D) 1995	Bob Kasten (R) 1993
<b>W.N.C.:</b>						
MN . . . . .	2,094	R-56.2	1,808	D-50.4	Paul Wellstone (D) 1997	Dave Durenberger (R) 1995
IA . . . . .	(X)	(X)	984	D-54.5	Tom Harkin (D) 1997	Charles Grassley (R) 1993
MO . . . . .	2,079	R-67.7	(X)	(X)	Christopher S. Bond (R) 1993	John C. Danforth (R) 1995
ND . . . . .	289	D-59.4	(X)	(X)	Quentin N. Burdick (D) 1995	Kent Conrad (D) 1993
SD . . . . .	(X)	(X)	259	R-52.4	Tom Daschle (D) 1993	Larry Pressler (R) 1997
NE . . . . .	668	D-56.7	594	D-58.9	Jim Exon (D) 1997	Bob Kerrey (D) 1995
KS . . . . .	(X)	(X)	786	R-73.6	Bob Dole (R) 1993	Nancy Kassebaum (R) 1997
<b>S.A.:</b>						
DE . . . . .	243	R-62.1	180	D-62.7	Joseph R. Biden Jr. (D) 1997	William Roth Jr. (R) 1995
MD . . . . .	1,817	D-61.8	(X)	(X)	Barbara A. Mikulski (D) 1993	Paul S. Sarbanes (D) 1995
VA . . . . .	2,069	D-71.2	1,084	R-80.9	Charles S. Robb (D) 1995	John W. Warner (R) 1997
WV . . . . .	695	D-64.8	404	D-68.3	Robert C. Byrd (D) 1995	John Rockefeller IV (D) 1997
NC . . . . .	(X)	(X)	2,070	R-52.5	Terry Sanford (D) 1993	Jesse Helms (R) 1997
SC . . . . .	(X)	(X)	751	R-64.2	Ernest F. Hollings (D) 1993	Strom Thurmond (R) 1997
GA . . . . .	(X)	(X)	1,034	D-100.0	Wyche Fowler Jr. (D) 1993	Sam Nunn (D) 1997
FL . . . . .	4,068	R-50.4	(X)	(X)	Bob Graham (D) 1993	Connie Mack (R) 1995
<b>E.S.C.:</b>						
KY . . . . .	(X)	(X)	916	R-52.2	Wendell H. Ford (D) 1993	Mitch McConnell (R) 1997
TN . . . . .	1,587	D-65.1	784	D-67.7	Al Gore (D) 1997	Jim Sasser (D) 1995
AL . . . . .	(X)	(X)	1,186	D-60.5	Howell Heflin (D) 1997	Richard C. Shelby (D) 1993
MS . . . . .	947	R-53.9	274	R-100.0	Thad Cochran (R) 1997	Trent Lott (R) 1995
<b>W.S.C.:</b>						
AR . . . . .	(X)	(X)	495	3D-99.8	Dale Bumpers (D) 1993	David Pryor (D) 1997
LA . . . . .	(X)	(X)	3,136	3D-56.5	John B. Breaux (D) 1993	J. Bennett Johnston (D) 1997
OK . . . . .	(X)	(X)	884	D-83.2	David L. Boren (D) 1997	Don Nickles (R) 1993
TX . . . . .	5,323	D-59.2	3,822	R-60.2	Lloyd Bentsen (D) 1995	Phil Gramm (R) 1997
<b>Mt.:</b>						
MT . . . . .	365	R-51.9	319	D-68.1	Max Baucus (D) 1997	Conrad Burns (R) 1995
ID . . . . .	(X)	(X)	316	R-61.3	Larry E. Craig (R) 1997	Steve Symms (R) 1993
WY . . . . .	181	R-50.4	156	R-63.9	Alan K. Simpson (R) 1997	Malcolm Wallop (R) 1995
CO . . . . .	(X)	(X)	1,022	R-55.7	Tim Wirth (D) 1993	Hank Brown (R) 1997
NM . . . . .	509	D-63.3	407	R-72.9	Jeff Bingaman (D) 1995	Pete V. Domenici (R) 1997
AZ . . . . .	1,165	D-56.7	(X)	(X)	Dennis DeConcini (D) 1995	John McCain (R) 1993
UT . . . . .	641	R-67.1	(X)	(X)	Jake Garn (R) 1993	Orrin G. Hatch (R) 1995
NV . . . . .	350	D-50.2	(X)	(X)	Harry Reid (D) 1993	Richard H. Bryan (D) 1995
<b>Pac.:</b>						
WA . . . . .	1,849	R-51.1	(X)	(X)	Brock Adams (D) 1993	Slade Gorton (R) 1995
OR . . . . .	(X)	(X)	1,099	R-53.7	Mark O. Hatfield (R) 1997	Bob Packwood (R) 1993
CA . . . . .	9,744	R-52.8	(X)	(X)	Alan Cranston (D) 1993	John Seymour (R) 1995 <sup>4</sup>
AK . . . . .	(X)	(X)	190	R-68.2	Frank H. Murkowski (R) 1993	Ted Stevens (R) 1997
HI . . . . .	324	D-76.6	5350	5D-54.0	Daniel K. Akaka (D) 1995	Daniel K. Inouye (D) 1993

X Not applicable. <sup>1</sup> Special election in November 1991 to fill vacancy caused by death of Senator John Heinz. <sup>2</sup> Special election to fill the unexpired term of Vice-President Quayle. <sup>3</sup> Louisiana holds an open-primary election with candidates from all parties running on the same ballot. Any candidate who receives a majority is elected. In 1990 J. Bennett Johnston received more than 50 percent of the vote in the October open-primary. <sup>4</sup> Appointed by the Governor to fill the vacancy caused by the resignation of Senator Pete Wilson. Will serve until a successor is elected in November 1992. <sup>5</sup> Special election to fill the unexpired term of Senator Matsunaga.

Source: Elections Research Center, Chevy Chase, MD, *America Votes*, biennial, (copyright.)

# Membership in House

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## No. 417. Apportionment of Membership in House of Representatives, by State: 1790 to 1990

[Total membership includes Representatives assigned to newly admitted States after the apportionment acts. Population figures used for apportionment purposes are those determined for States by each decennial census. No reapportionment based on 1920 population census. For method of calculating apportionment and a short history of apportionment, see House Report 91-1314, 91st Congress, 2d session, *The Decennial Population Census and Congressional Apportionment*. See also *Historical Statistics, Colonial Times to 1970*, series Y 220-271.]

STATE	MEMBERSHIP BASED ON CENSUS OF—																			
	1790	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1930	1940	1950	1960	1970	1980	1990
U.S....	106	142	186	213	242	232	237	243	293	332	357	391	435	435	435	437	435	435	435	435
Northeast...	57	76	97	105	112	94	92	87	95	95	99	108	123	122	120	115	108	104	95	88
N.E....	29	35	41	39	38	31	28	27	28	26	27	29	32	29	28	28	25	25	24	23
ME....	(X)	(X)	7	8	7	6	5	5	4	4	4	4	4	3	3	2	2	2	2	2
NH....	4	5	6	6	5	4	3	3	3	2	2	2	2	2	2	2	2	2	2	2
VT....	2	4	6	5	5	4	3	3	3	2	2	2	2	2	2	2	2	2	2	2
MA....	14	17	20	13	12	10	11	10	11	12	13	14	16	15	14	14	12	12	11	10
RI....	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2
CT....	7	7	6	6	4	4	4	4	4	4	4	5	5	6	6	6	6	6	6	6
M.A....	28	41	56	66	74	63	60	67	69	72	79	91	93	92	87	83	79	71	65	65
NY....	10	17	27	34	40	34	33	31	33	34	34	37	43	45	45	43	41	39	34	31
N.J....	5	6	6	6	5	5	5	7	7	8	10	12	14	14	14	15	15	14	13	13
PA....	13	18	23	26	28	24	25	24	27	28	30	32	36	34	33	30	27	25	23	21
Midwest...	(X)	1	8	19	32	50	59	75	98	117	128	136	143	137	131	129	125	121	113	105
E.N.C....	(X)	1	8	18	30	43	48	56	69	74	78	82	86	90	87	88	86	80	74	74
OH....	1	6	14	19	21	21	19	20	21	21	21	22	24	23	23	24	23	21	19	19
IN....	(X)	(X)	1	3	7	10	11	11	13	13	13	13	13	12	11	11	11	10	10	10
IL....	(X)	(X)	1	1	3	7	9	14	19	20	22	25	27	26	25	24	24	22	20	20
MI....	(X)	(X)	(X)	1	3	4	6	6	9	11	12	12	13	17	17	18	19	19	18	16
WI....	(X)	(X)	(X)	(X)	12	3	5	5	8	9	10	11	11	10	10	10	10	9	9	9
W.N.C....	(X)	(X)	1	2	7	11	19	29	43	50	54	57	47	44	42	37	35	33	31	31
MN....	(X)	(X)	(X)	(X)	(X)	12	2	3	5	7	9	10	9	9	9	8	8	8	8	8
IA....	(X)	(X)	(X)	(X)	(X)	12	2	6	9	11	11	11	11	9	8	8	7	6	5	5
MO....	(X)	(X)	(X)	1	2	5	7	9	13	14	15	16	16	13	13	11	10	10	9	9
ND....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	1	2	2	3	2	2	2	2	2	2	1	1	1
SD....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	1	1	3	6	6	5	4	4	3	3	3	3	3
NE....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	1	3	7	8	8	7	6	5	5	5	5	5	4
KS....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	1	3	7	8	8	8	7	6	6	6	5	5	4
South...	49	65	81	89	96	86	83	76	93	107	112	126	136	133	135	134	133	134	142	149
S.A....	46	56	62	61	61	47	43	36	43	49	50	53	56	54	56	60	63	65	69	75
DE....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MD....	8	9	9	9	8	6	6	5	6	6	6	6	6	6	6	7	8	8	8	8
VA....	19	22	23	22	21	15	13	11	9	10	10	10	10	9	9	10	10	10	10	11
W.V....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	3	4	4	5	6	6	6	6	5	4	4	3
NC....	10	12	13	13	13	9	8	7	8	9	9	10	10	11	12	12	11	11	11	12
SC....	6	8	9	9	7	6	4	5	7	7	7	7	7	6	6	6	6	6	6	6
GA....	2	4	6	7	9	8	8	7	9	10	11	11	12	10	10	10	10	10	10	11
FL....	(X)	(X)	(X)	(X)	(X)	1	1	2	2	2	3	4	5	6	8	12	15	19	23	23
E.S.C....	3	9	18	25	33	32	32	28	34	36	37	38	39	34	35	32	29	27	28	27
KY....	2	6	10	12	13	10	10	9	10	11	11	11	11	9	9	8	7	7	6	6
TN....	1	3	6	9	13	11	10	8	10	10	10	10	10	9	9	9	8	8	9	9
AL....	(X)	(X)	3	5	7	7	6	8	8	9	9	10	9	9	9	8	7	7	7	7
MS....	(X)	(X)	1	1	2	4	5	5	7	7	8	8	8	7	7	6	5	5	5	5
W.S.C....	(X)	(X)	1	3	4	7	8	12	16	22	25	35	41	45	44	42	41	42	45	47
AR....	(X)	(X)	(X)	1	2	3	4	5	6	6	7	7	7	7	6	4	4	4	4	4
LA....	(X)	(X)	1	3	3	4	4	5	6	6	7	8	8	8	8	8	8	8	8	7
OK....	(X)	(X)	(X)	(X)	(X)	12	2	3	4	5	5	15	15	9	8	6	6	6	6	6
TX....	(X)	(X)	(X)	(X)	(X)	2	2	4	6	6	11	13	16	18	21	21	22	23	24	27
West...	(X)	(X)	(X)	(X)	(X)	2	3	5	7	13	18	21	21	33	43	29	33	43	52	57
Mt....	(X)	(X)	(X)	(X)	(X)	1	2	5	7	8	14	14	16	16	17	19	24	24	24	24
MT....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	1	1	2	2	2	2	2	2	2	1
ID....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	1	1	1	2	2	2	2	2	2	2
WY....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	1	1	1	1	1	1	1	1	1	1
CO....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	1	1	2	3	4	4	4	4	4	4
NM....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	2	2	2	2	2
AZ....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	1	2	2	3	3
UT....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	2	2	2	2	2
N.V....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	1	1	1	1	1
Pac....	(X)	(X)	(X)	(X)	(X)	2	3	4	5	8	11	13	19	29	33	43	52	57	61	69
WA....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	7	7	7	8	9
OR....	(X)	(X)	(X)	(X)	(X)	1	1	1	1	1	2	2	3	3	4	4	4	4	5	5
CA....	(X)	(X)	(X)	(X)	(X)	12	2	3	4	6	7	8	11	20	23	30	38	43	45	52
AK....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	1	1	1	1	1
HI....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	1	2	2	2	2

X Not applicable. <sup>1</sup> Assigned after apportionment. <sup>2</sup> Included in apportionment in anticipation of statehood.

Source: U.S. Bureau of the Census, press release CB90-232.

**No. 418. Representatives Elected, by Percent of Vote Cast for Winner and Major Party,  
1970 to 1990, and by State, 1990**

YEAR, REGION, DIVISION, AND STATE	TOTAL REPRESENTATIVES ELECTED				DEMOCRATS ELECTED			REPUBLICANS ELECTED			REPRESENTATIVES ELECTED WITH NO MAJOR PARTY OPPOSITION				
	Total	Percentage of vote			Total	Percentage of vote			Total	Percentage of vote			Total	Democrats	Republicans
		Under 55	55- 59.9	60 and over		Under 55	55- 59.9	60 and over		Under 55	55- 59.9	60 and over			
1970	435	59	64	312	255	28	26	201	180	31	38	111	63	58	5
1980	435	78	63	294	243	35	35	173	192	43	28	121	54	39	15
1982	435	76	73	286	269	40	33	196	166	36	40	90	66	46	10
1984	435	58	56	321	253	33	38	182	162	25	18	139	68	54	14
1986	435	46	41	348	258	22	18	218	177	24	23	130	75	57	18
1988	435	37	34	364	260	21	15	224	175	16	19	140	80	60	20
1990, total	435	152	71	312	267	29	40	198	167	22	31	114	85	49	36
Northeast	195	14	17	64	56	10	9	37	38	3	8	27	19	12	7
N.E.	124	7	3	14	16	4	1	11	7	2	2	3	5	5	-
ME	2	1	-	1	1	-	-	1	1	1	-	-	-	-	-
NH	2	1	1	-	1	1	-	-	1	-	1	-	-	-	-
VT	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
MA	11	2	-	9	10	2	-	8	1	-	-	1	5	5	-
RI	2	-	2	-	1	-	1	-	1	-	-	-	-	-	-
CT	6	2	-	4	3	1	-	2	3	1	-	2	-	-	-
M.A.	71	7	14	50	40	6	8	26	31	1	6	24	14	7	7
NY	34	1	7	26	21	1	4	16	13	-	3	10	6	4	2
NJ	14	5	2	7	8	5	1	2	6	-	1	5	2	-	-
PA	23	1	5	17	11	-	3	8	12	1	2	9	6	1	5
Midwest	113	12	16	85	68	6	9	53	45	6	7	32	13	7	6
E.N.C.	80	6	11	63	49	4	6	39	31	2	5	24	10	5	5
OH	21	1	3	17	11	1	1	9	10	-	2	8	1	-	-
IN	10	2	3	5	8	2	2	4	2	-	1	1	-	-	-
IL	22	1	2	19	15	1	2	12	7	-	1	7	5	2	3
MI	18	-	3	15	11	-	1	10	7	-	2	5	1	1	-
WI	9	2	-	7	4	-	-	4	5	-	2	3	9	1	2
W.N.C.	33	6	5	22	19	2	3	14	14	4	2	8	3	2	1
MN	8	1	-	7	6	1	-	5	2	-	-	2	-	-	-
IA	6	1	-	5	2	-	-	2	4	1	-	3	3	2	1
MO	9	3	3	3	6	1	2	3	3	2	1	-	-	-	-
ND	1	-	-	1	1	-	-	1	-	-	-	-	-	-	-
SD	1	-	-	1	1	-	-	1	-	-	-	-	-	-	-
NE	3	1	-	1	1	-	1	-	2	1	-	1	-	-	-
KS	5	1	1	4	2	-	-	2	3	-	1	2	-	-	-
South	142	13	21	108	95	9	14	72	47	4	7	36	47	28	19
S.A.	69	8	16	45	45	5	10	30	24	3	6	15	15	9	6
DE	1	-	-	1	1	-	-	1	-	-	-	-	-	-	-
MD	8	-	3	5	5	-	1	4	3	-	2	1	-	-	-
VA	10	2	1	7	6	1	-	5	4	1	1	2	5	5	-
WV	4	1	1	2	4	1	1	2	-	-	-	-	1	-	-
NC	11	1	4	6	7	-	4	3	4	1	-	3	-	1	-
SC	6	-	1	5	4	-	1	3	2	-	2	3	2	1	-
GA	10	2	2	6	9	1	2	6	1	1	-	-	-	-	-
FL	19	2	4	13	9	2	1	6	10	-	3	7	6	1	5
E.S.C.	28	3	1	24	20	2	1	17	8	1	-	7	11	6	5
KY	7	1	-	6	4	1	-	3	3	-	-	3	3	1	2
TN	9	1	1	7	6	1	1	4	3	-	-	3	3	2	2
AL	7	1	-	6	5	-	-	5	2	1	-	1	3	2	1
MS	5	-	-	5	5	-	-	5	-	-	-	1	1	-	-
W.S.C.	45	2	4	39	30	2	3	25	15	-	1	14	21	13	8
AR	4	-	-	4	3	-	-	3	1	-	1	-	-	-	-
LA	8	-	-	8	4	-	-	4	4	-	4	8	4	4	-
OK	6	-	1	5	4	-	-	4	2	-	1	1	-	-	-
TX	27	2	3	22	19	2	3	14	8	-	8	13	9	4	4
West	85	13	17	55	48	4	8	36	37	9	9	19	6	2	4
Mt.	24	3	5	16	11	1	2	8	13	2	3	8	2	-	2
MT	2	-	2	1	2	1	-	1	1	-	-	1	-	-	-
ID	2	1	-	1	2	1	-	1	-	-	-	-	-	-	-
WY	1	-	1	-	-	-	-	-	1	-	1	-	-	-	-
CO	6	1	-	5	3	-	-	3	3	1	-	2	-	-	-
NM	3	-	-	3	1	-	-	1	2	-	2	1	-	-	1
AZ	5	-	1	4	1	-	-	1	4	-	1	3	1	-	1
UT	3	1	2	-	2	-	2	-	1	1	-	-	-	-	-
NV	2	-	1	1	1	-	-	1	1	-	1	-	-	-	-
Pac.	61	10	12	39	37	3	6	28	24	7	6	11	4	2	2
WA	8	3	2	3	5	2	-	3	3	1	2	-	-	-	-
OR	5	-	-	5	4	-	-	4	1	-	1	1	1	-	2
CA	45	6	10	29	26	1	6	19	19	5	4	10	3	1	2
AK	1	1	-	-	-	-	-	1	1	-	-	-	-	-	-
HI	2	-	-	2	2	-	-	2	-	-	-	-	-	-	-

- Represents zero. <sup>1</sup> Includes one Representative elected as an Independent.

Source: Compiled by U.S. Bureau of the Census from Elections Research Center, Chevy Chase, MD, *America Votes*, biennial, (copyright).

# Vote Cast for Representatives

257

## No. 419. Vote Cast for United States Representatives, by Major Political Party—States: 1986 to 1990

[In thousands, except percent. In each State, totals represent the sum of votes cast in each Congressional District or votes cast for Representative at Large in States where only one member is elected. In all years there are numerous districts within the State where either the Republican or Democratic party had no candidate. In some States the Republican and Democratic vote includes votes cast for the party candidate by endorsing parties. See also *Historical Statistics, Colonial Times to 1970*, series Y 211-214.]

REGION, DIVISION, AND STATE	1986				1988				1990			
	Total <sup>1</sup>	Democratic	Repub-lican	Percent for leading party	Total <sup>1</sup>	Democratic	Repub-lican	Percent for leading party	Total <sup>1</sup>	Democratic	Repub-lican	Percent for leading party
U.S. <sup>2</sup> . . .	59,619	32,540	26,532	D-54.6	61,786	43,662	37,175	D-53.4	61,513	32,565	27,848	D-52.9
Northeast . . .	12,405	6,820	5,363	D-55.0	17,806	9,490	7,989	D-53.3	12,792	6,483	5,868	D-50.7
N.E. . . .	3,641	2,122	1,433	D-58.3	5,327	3,086	2,066	D-57.4	4,453	2,523	1,742	D-56.7
ME . . .	422	165	248	R-59.1	555	276	278	R-50.2	517	284	233	D-55.0
NH . . .	241	84	156	R-64.9	429	176	252	R-58.6	291	141	149	R-51.2
VT . . .	189	-	168	R-89.1	240	45	99	R-41.2	210	6	83	<sup>3</sup> I-56.0
MA . . .	1,503	1,198	250	D-79.7	2,371	1,787	509	D-75.4	2,051	1,420	567	D-69.2
RI . . .	306	130	176	R-57.6	391	140	251	R-64.1	347	182	165	D-52.5
CT . . .	980	545	434	D-55.6	1,341	660	677	R-50.5	1,037	489	546	R-52.6
M.A. . .	8,764	4,698	3,930	D-53.6	12,479	6,403	5,923	D-51.3	8,339	3,959	4,126	R-47.1
NY <sup>4</sup> . . .	3,904	2,132	1,665	D-54.6	5,506	2,950	2,441	D-53.6	3,662	1,830	1,662	D-50.0
N.J. . .	1,554	803	739	D-51.7	2,776	1,336	1,412	R-50.9	1,827	837	911	R-49.9
PA . . .	3,306	1,763	1,526	D-53.3	4,197	2,117	2,070	D-50.4	2,851	1,293	1,552	R-54.5
Midwest . . .	16,981	8,954	7,988	D-52.7	23,539	12,270	11,205	D-52.1	17,484	9,370	7,970	D-53.6
E.N.C. . .	11,350	5,969	5,331	D-52.6	16,111	8,380	7,715	D-51.9	11,699	6,202	5,383	D-53.0
OH . . .	3,067	1,512	1,536	R-50.1	4,155	2,087	2,068	D-50.2	3,418	1,807	1,590	D-52.9
IN . . .	1,556	788	756	D-50.7	2,120	1,097	1,023	D-51.7	1,514	831	683	D-54.9
IL . . .	3,017	1,623	1,393	D-53.8	4,344	2,317	2,023	D-53.3	3,077	1,646	1,349	D-53.5
MI . . .	2,327	1,342	977	D-57.7	3,456	1,824	1,605	D-52.8	2,434	1,321	1,089	D-54.3
WI . . .	1,383	704	669	D-50.9	2,035	1,095	997	D-50.9	1,256	597	652	R-51.9
W.N.C. . .	5,631	2,985	2,637	D-53.0	7,429	3,910	3,490	D-52.6	5,785	3,168	2,607	D-54.8
MN . . .	1,393	832	558	D-59.7	1,969	1,149	810	D-58.3	1,781	1,042	736	D-58.5
IA . . .	890	428	461	R-51.9	1,189	580	607	R-51.0	792	401	385	D-50.6
MO . . .	1,430	828	600	D-57.9	2,070	1,148	910	D-55.5	1,353	728	625	D-53.8
ND . . .	286	216	67	D-75.5	300	213	84	D-70.9	234	153	81	D-65.2
SD . . .	290	171	118	D-59.2	312	224	88	D-71.7	257	174	83	D-67.6
NE . . .	555	197	358	R-64.5	656	230	426	R-64.9	587	277	309	R-52.7
KS . . .	787	313	475	R-60.3	932	367	565	R-60.6	781	394	387	D-50.4
South <sup>2</sup> . . .	16,451	9,819	6,519	D-59.7	22,979	12,951	9,828	D-56.4	17,180	9,691	7,285	D-56.4
S.A. <sup>2</sup> . . .	8,284	4,991	3,249	D-60.2	12,121	6,680	5,420	D-54.9	9,409	5,222	4,063	D-55.5
DE . . .	161	106	54	D-66.2	235	158	76	D-67.5	177	116	58	D-65.5
MD . . .	1,063	689	394	D-62.9	1,581	937	624	D-60.0	1,091	566	517	D-51.9
DC . . .	127	102	18	D-80.1	171	122	23	D-71.3	160	98	42	D-61.7
VA . . .	1,043	545	467	D-52.2	1,891	802	1,077	R-57.0	1,153	663	411	D-57.5
WV . . .	396	299	97	D-75.5	569	437	132	D-76.8	375	251	123	D-67.1
NC . . .	1,573	890	682	D-56.6	1,985	1,109	876	D-55.8	2,011	1,076	935	D-53.5
SC . . .	717	453	261	D-63.2	991	550	439	D-55.4	670	383	275	D-57.2
GA . . .	1,062	773	289	D-72.8	1,672	1,115	557	D-66.7	1,394	855	539	D-61.3
FL <sup>5</sup> . . .	2,142	1,154	987	D-53.9	3,047	1,431	1,616	R-53.0	2,378	1,213	1,163	D-51.0
E.S.C. . .	3,375	2,006	1,346	D-59.4	4,611	2,707	1,841	D-58.7	2,866	1,712	1,070	D-59.7
KY . . .	630	375	253	D-59.5	1,105	534	564	R-51.1	764	353	397	R-52.0
TN . . .	1,105	636	449	D-57.6	1,409	844	536	D-59.9	717	369	289	D-51.5
AL . . .	1,116	679	436	D-60.8	1,178	722	432	D-61.3	1,017	690	315	D-67.9
MS . . .	524	316	208	D-60.3	918	607	308	D-66.1	369	299	69	D-81.2
W.S.C. . .	4,792	2,822	1,924	D-58.9	6,248	3,583	2,565	D-57.3	4,906	2,758	2,132	D-56.2
AR <sup>5</sup> . . .	666	387	268	D-58.1	606	353	253	D-58.3	665	368	296	D-55.5
LA <sup>6</sup> . . .	391	288	102	D-73.8	205	89	116	R-56.8	106	106	-	D-100.0
OK <sup>5,9</sup> . . .	725	430	291	D-59.4	767	406	362	D-52.9	857	519	338	D-60.6
TX . . .	3,010	1,717	1,263	D-57.0	4,670	2,736	1,834	D-58.6	3,278	1,763	1,498	D-53.8
West . . .	13,786	6,949	6,680	D-50.4	17,461	8,952	8,155	D-51.3	14,057	7,022	6,545	D-50.0
MT . . .	3,748	1,591	2,142	R-57.2	4,793	2,082	2,664	R-55.6	3,872	1,783	2,043	R-52.8
MT . . .	318	172	146	D-54.1	365	193	172	D-52.9	317	157	160	R-50.5
ID . . .	376	163	208	R-55.4	407	198	203	R-49.9	315	183	131	D-58.2
WY . . .	160	49	111	R-69.5	178	57	118	R-66.5	158	71	87	R-55.1
CO . . .	1,018	450	566	R-55.6	1,315	645	667	R-50.7	1,001	504	487	D-50.3
NM . . .	366	179	207	R-53.6	449	209	236	R-52.6	359	146	214	R-59.5
AZ . . .	804	260	540	R-67.2	1,125	322	766	R-68.1	966	345	621	R-64.3
UT . . .	429	197	230	R-53.6	609	260	341	R-56.0	442	234	191	D-52.9
NV . . .	257	121	134	R-52.0	344	177	160	D-51.4	313	144	151	R-48.2
Pac . . .	10,038	5,358	4,538	D-53.4	12,669	6,891	5,492	D-54.4	10,185	5,239	4,502	D-51.4
WA . . .	1,295	768	527	D-59.3	1,731	988	743	D-57.1	1,313	606	506	D-52.0
OR . . .	1,032	585	446	D-56.7	1,024	665	358	D-64.9	1,053	667	342	D-63.4
CA . . .	7,200	3,744	3,328	D-52.0	9,381	4,945	4,174	D-52.7	7,287	3,568	3,347	D-49.0
AK . . .	180	74	102	R-56.5	193	72	121	R-62.5	192	92	99	R-51.7
HI . . .	331	187	135	D-56.4	340	221	97	D-65.1	341	216	118	D-63.3

<sup>1</sup> Represents zero. <sup>2</sup> Includes vote cast for minor parties. <sup>3</sup> Leading party candidate was Independent. <sup>4</sup> Includes votes cast for non-voting Delegate at Large in District of Columbia. <sup>5</sup> State law does not require tabulation of votes for unopposed candidates. <sup>6</sup> In 1986 Districts 3, 4, 5, 7, 8, 15, and 17 were unopposed; in 1988 Districts 3, 5, 7, 12, 17, and 18 were unopposed; in 1990 Districts 8, 10, 12, 13, and 16 were unopposed. <sup>7</sup> In 1986 District 1 was unopposed. <sup>8</sup> 1986 data are for general election runoffs in two districts. 1986 open primary totals, total, 755,680; Democratic, 599,291; Republican, 148,007. 1988 data are for a general election runoff in one district. 1988 open primary totals, total, 550,370; Democratic, 337,724; Republican, 121,646. 1990 data are for a general election runoff in one district. 1990 open primary totals, total, 1,186,253; Democratic, 706,004; Republican, 450,867. <sup>9</sup> In 1986 District 6 was unopposed; in 1988 Districts 3 and 4 were unopposed.

Source: Elections Research Center, Chevy Chase, MD, *America Votes*, biennial, (copyright.)

**No. 420. Vote Cast for United States Representatives, by Major Political Party—  
Congressional Districts: 1990**

[In some States the Democratic and Republican vote includes votes cast for the party candidate by endorsing parties]

STATE AND DIS- TRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE		STATE AND DIS- TRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE	
		Name	Per- cent of total	Name	Per- cent of total			Name	Per- cent of total	Name	Per- cent of total
AL . . .	1,017	(X) . . . . .	68	(X) . . . . .	31	CO . . .	1,001	(X) . . . . .	50	(X) . . . . .	49
1st . . .	83	(1) . . . . .	(1)	Callahan . . . . .	100	1st . . .	129	Schroeder . . . . .	64	Roemer . . . . .	36
2d . . .	171	Bagliano . . . . .	49	Dickinson . . . . .	51	2d . . .	173	Skaggs . . . . .	61	Lewis . . . . .	39
3d . . .	138	Browder . . . . .	74	Sledge . . . . .	26	3d . . .	177	Campbell . . . . .	72	Ellis . . . . .	28
4th . . .	130	Bevill . . . . .	100	(1) . . . . .	(1)	4th . . .	165	Bond . . . . .	46	Allard . . . . .	54
5th . . .	168	Cramer . . . . .	67	McDonald . . . . .	33	5th . . .	192	Johnston . . . . .	30	Hefley . . . . .	66
6th . . .	146	Erdreich . . . . .	92	(1) . . . . .	(1)	6th . . .	163	Jarrett . . . . .	36	Schaefter . . . . .	65
7th . . .	181	Harris . . . . .	71	Barker . . . . .	29	CT . . .	1,037	(X) . . . . .	47	(X) . . . . .	53
AK . . .	192	Devens . . . . .	48	Young . . . . .	52	1st . . .	177	Kennelly . . . . .	71	Garvey . . . . .	29
AZ . . .	866	(X) . . . . .	36	(X) . . . . .	64	2d . . .	176	Gajden- son . . . . .	60	Ragsdale . . . . .	40
1st . . .	167	(1) . . . . .	(1)	Rhodes . . . . .	100	3d . . .	174	DeLauro . . . . .	52	Scott . . . . .	48
2d . . .	116	Udall . . . . .	66	Sweeney . . . . .	34	4th . . .	138	Smith . . . . .	23	Shays . . . . .	77
3d . . .	237	Hartstone . . . . .	43	Stump . . . . .	57	5th . . .	182	Moffett . . . . .	47	Franks . . . . .	62
4th . . .	231	Ivey . . . . .	39	Kyl . . . . .	61	6th . . .	190	Kulac . . . . .	26	Johnson . . . . .	74
5th . . .	215	Phillips . . . . .	35	Kolbe . . . . .	65	DE . . .	177	Carper . . . . .	66	Williams . . . . .	32
AR . . .	865	(X) . . . . .	56	(X) . . . . .	45	FL . . .	2,378	(X) . . . . .	51	(X) . . . . .	49
1st . . .	157	Alexander . . . . .	64	Hayes . . . . .	36	1st . . .	189	Hutto . . . . .	52	Ketchel . . . . .	48
2d . . .	171	Thornton . . . . .	60	Keet . . . . .	40	2d . . .	181	Peterson . . . . .	57	Grant . . . . .	43
3d . . .	184	Ivy . . . . .	30	Hammer- schmidt . . . . .	71	3d . . .	116	Bennett . . . . .	73	Sullivan . . . . .	27
4th . . .	152	Anthony . . . . .	72	Rood . . . . .	28	4th . . .	216	Hughes . . . . .	44	James . . . . .	56
CA . . .	7,287	(X) . . . . .	49	(X) . . . . .	46	5th . . .	158	Fletcher . . . . .	40	McCollum . . . . .	60
1st . . .	230	Bosco . . . . .	42	Riggs . . . . .	43	6th . . .	158	Johnson . . . . .	41	Stearns . . . . .	59
2d . . .	209	Rush . . . . .	31	Henger . . . . .	64	7th . . .	147	Gibbons . . . . .	68	Prout . . . . .	32
3d . . .	219	Matsui . . . . .	60	Landowski . . . . .	35	8th . . .	(NA) . . . . .	(1) . . . . .	(1)	Young . . . . .	(NA)
4th . . .	210	Fazio . . . . .	55	Baughman . . . . .	39	9th . . .	245	Knapp . . . . .	42	Bilirakis . . . . .	58
5th . . .	156	Polosi . . . . .	77	Nichols . . . . .	23	10th . . .	(NA) . . . . .	(1) . . . . .	(1)	Ireland . . . . .	(NA)
6th . . .	202	Boxer . . . . .	68	Boren . . . . .	32	11th . . .	233	Bachus . . . . .	52	Tolley . . . . .	48
7th . . .	200	Miller . . . . .	61	Payton . . . . .	40	12th . . .	(NA) . . . . .	(1) . . . . .	(1)	Lewis . . . . .	(NA)
8th . . .	195	Dellums . . . . .	61	Galewski . . . . .	39	13th . . .	(NA) . . . . .	(1) . . . . .	(1)	Goss . . . . .	(NA)
9th . . .	162	Stark . . . . .	58	Romero . . . . .	42	14th . . .	236	Johnston . . . . .	66	Shore . . . . .	34
10th . . .	131	Edwards . . . . .	63	Patrosso . . . . .	37	15th . . .	107	(1) . . . . .	(1)	Shaw . . . . .	98
11th . . .	159	Lantos . . . . .	66	Quarashi . . . . .	29	16th . . .	(NA) . . . . .	L. Smith . . . . .	(NA)	L. Smith . . . . .	(1)
12th . . .	206	Palmier . . . . .	34	Campbell . . . . .	61	17th . . .	102	Lehman . . . . .	78	Rodney . . . . .	21
13th . . .	168	Mineta . . . . .	58	Smith . . . . .	36	18th . . .	93	Anschner . . . . .	40	Ros . . . . .	Ro Lehtinen . . . . .
14th . . .	249	Malberg . . . . .	49	Doolittle . . . . .	52	19th . . .	141	Fascell . . . . .	62	Allen . . . . .	38
15th . . .	147	Condit . . . . .	66	Burris . . . . .	34	GA . . .	1,394	(X) . . . . .	61	(X) . . . . .	39
16th . . .	181	Panetta . . . . .	74	Reiss . . . . .	22	1st . . .	113	Thomas . . . . .	71	Meredith . . . . .	29
17th . . .	151	Dooley . . . . .	55	Passahay . . . . .	46	2d . . .	107	Hatcher . . . . .	73	Waters . . . . .	27
18th . . .	99	Lehman . . . . .	100	(1) . . . . .	(1)	3d . . .	116	Ray . . . . .	63	Broun . . . . .	37
19th . . .	173	Ferguson . . . . .	44	Lagomar- sino . . . . .	55	4th . . .	184	Jones . . . . .	53	Linder . . . . .	48
20th . . .	189	M. Thomas . . . . .	35	W. Thomas . . . . .	60	5th . . .	114	Lewis . . . . .	76	Tibbs . . . . .	24
21st . . .	203	Freiman . . . . .	34	Galelegy . . . . .	59	6th . . .	157	Worley . . . . .	50	Gingrich . . . . .	50
22d . . .	181	Bayer . . . . .	34	Moorhead . . . . .	60	7th . . .	159	Darden . . . . .	60	Beverly . . . . .	40
23d . . .	167	Beilenson . . . . .	62	Salomon . . . . .	34	8th . . .	118	Rowland . . . . .	69	Cunning- ham . . . . .	31
24th . . .	104	Waxman . . . . .	69	Cowles . . . . .	26	9th . . .	172	Jenkins . . . . .	56	Hoffman . . . . .	44
25th . . .	69	Roybal . . . . .	70	Renshaw . . . . .	25	10th . . .	154	Barnard . . . . .	58	Jones . . . . .	42
26th . . .	128	Berman . . . . .	61	Dahlson . . . . .	35	11th . . .	154	(X) . . . . .	63	(X) . . . . .	35
27th . . .	156	Levine . . . . .	58	Cohen . . . . .	37	12th . . .	163	Aber- crombie . . . . .	61	Liu . . . . .	39
28th . . .	96	Dixon . . . . .	73	Adams . . . . .	22	13d . . .	178	Mink . . . . .	66	Poepoe . . . . .	31
29th . . .	65	Waters . . . . .	79	DeWitt . . . . .	19	14th . . .	315	(X) . . . . .	58	(X) . . . . .	42
30th . . .	78	Martinez . . . . .	58	Franco . . . . .	37	15th . . .	160	LaRocco . . . . .	53	Smyser . . . . .	47
31st . . .	84	Dynally . . . . .	67	Sato . . . . .	33	16th . . .	154	Stallings . . . . .	64	McDevitt . . . . .	36
32d . . .	111	Anderson . . . . .	62	Kahn . . . . .	39	17th . . .	131	Sangmeis- ter . . . . .	59	Hoffman . . . . .	41
33d . . .	159	Webb . . . . .	31	Dreier . . . . .	64	18th . . .	111	Lipinski . . . . .	66	Shestokas . . . . .	31
34th . . .	92	Torres . . . . .	61	Eastman . . . . .	39	19th . . .	145	Cassidy . . . . .	33	Hyde . . . . .	67
35th . . .	201	Norton . . . . .	33	Lewis . . . . .	61	20th . . .	108	Yates . . . . .	71	Sohn . . . . .	29
36th . . .	137	Brown . . . . .	53	Hammock . . . . .	47	21st . . .	103	Savage . . . . .	94	Peyton . . . . .	6
37th . . .	232	Waite . . . . .	45	McCand- less . . . . .	50	22d . . .	156	Russo . . . . .	78	Hespel . . . . .	22
38th . . .	104	Jackson . . . . .	42	Dornan . . . . .	58	23d . . .	131	Thomas . . . . .	71	Crane . . . . .	82
39th . . .	174	Hoffman . . . . .	31	Danne- meyer . . . . .	65	24th . . .	111	Rosten- kowski . . . . .	79	Fawell . . . . .	66
40th . . .	210	Gratz . . . . .	32	Cox . . . . .	68	25th . . .	145	Lipinski . . . . .	66	Shestokas . . . . .	31
41st . . .	215	Kripke . . . . .	44	Lowery . . . . .	49	26th . . .	100	Cassidy . . . . .	33	Hyde . . . . .	67
42d . . .	184	Kim- brough . . . . .	37	Rohrba- cher . . . . .	59	27th . . .	89	Rosten- kowi- ski . . . . .	80	Dooley . . . . .	20
43d . . .	222	(1) . . . . .	(1)	Packard . . . . .	68	28th . . .	136	Yates . . . . .	71	Sohn . . . . .	29
44th . . .	109	Bates . . . . .	45	Cunning- ham . . . . .	46	29th . . .	154	McNamara . . . . .	31	Porter . . . . .	68
45th . . .	170	(1) . . . . .	(1)	Hunter . . . . .	73	30th . . .	138	Ahnunzio . . . . .	54	Dudycz . . . . .	45
						31st . . .	176	Thomas . . . . .	34	Orane . . . . .	82
										Fawell . . . . .	66

See footnotes at end of table.

**Vote Cast for Representatives**

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**No. 420. Vote Cast for United States Representatives, by Major Political Party—  
Congressional Districts: 1990—Continued**

[See headnote, p. 258]

STATE AND DIS- TRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE		STATE AND DIS- TRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE	
		Name	Per- cent of total	Name	Per- cent of total			Name	Per- cent of total	Name	Per- cent of total
IL-Con.						5th	211	Atkins	52	MacGovern	48
14th	168	Westphal	33	Hastert	67	6th	230	Mavroules	65	Kelley	35
15th	120	(1)	(1)	Madigan	100	7th	156	Markey	100	(1)	(1)
16th	152	Cox	55	Hallock	45	8th	174	Kennedy	72	Fiscus	23
17th	153	Evans	67	Lee	34	9th	177	Moakley	70	(1)	(1)
18th	107	(1)	(1)	Michel	98	10th	258	Studds	53	Bryan	47
19th	172	Bruce	66	Kerans	32	11th	146	Donnelly	100	(1)	(1)
20th	197	Durbin	66	Jurgens	34	MI	2,434	(X)	54	(X)	45
21st	144	Costello	66	Gaffner	34	1st	86	Conyers	89	Shoulders	9
22d	165	Poshard	84	(1)	(1)	2d	150	White	58	Pursell	64
IN	1,514	(X)	55	(X)	45	4th	131	McFarland	42	Haskins	58
1st	104	Vislosky	66	Costas	34	5th	167	Trzbynski	25	Upton	58
2d	157	Sharp	59	Pence	41	6th	98	Carr	100	Henry	75
3d	159	Roemer	51	Hiler	49	7th	132	Kildee	68	Morrill	32
4th	164	Long	61	Hawks	39	8th	144	Traxler	69	White	31
5th	153	Jontz	53	Johnson	47	9th	163	Greene	45	Vander	
6th	183	Fadeley	37	Burton	64	10th	154	Dennison	33	Jagt	55
7th	155	Riley	42	Myers	57	11th	154	Gould	39	Camp	65
8th	178	McCloskey	55	Murdock	45	12th	152	Bonior	65	Davis	61
9th	156	Hamilton	69	Coates	31	13th	123	Collins	80	Dingeman	34
10th	104	Jacobs	66	Horvath	34	14th	123	Hertel	64	Edwards	17
IA	792	(X)	51	(X)	49	15th	112	Ford	61	McNealy	33
1st	90	(1)	(1)	Leach	100	16th	134	Dingell	67	Adkins	37
2d	166	Tabor	49	Nussle	50	17th	132	Levin	70	Beaumont	32
3d	102	Nagle	99	(1)	(1)	18th	191	Briggs	34	Lankford	30
4th	131	Smith	98	(1)	(1)	2d	201	Penny	78	Broomfield	66
5th	147	Powell	32	Lightfoot	68	3d	204	Stone	38	Andersen	22
6th	156	Earl	28	Grandy	72	4th	293	DeMars	33	Weber	62
KS	781	(X)	50	(X)	50	5th	157	Vento	65	Ramstad	67
1st	164	West	37	Roberts	63	6th	198	Sabo	73	Maitland	35
2d	158	Slattery	63	Morgan	37	7th	255	Sikorski	65	Gilbertson	27
3d	148	Jones	40	Meyers	60	8th	200	Peterson	54	Anderson	35
4th	158	Glickman	71	Grund	29	9th	157	Montgom-	100	Strange- land	46
5th	153	Wingerd	41	Nichols	59	10th	121	ery	(1)	(1)	
KY	764	(X)	46	(X)	52	11th	71	Parker	81	Shuster	27
1st	98	Hubbard	87	(1)	(1)	12th	111	Taylor	81	Benford	16
2d	117	Natcher	66	Tori	34	13th	71	Oberstar	73	Stabler	19
3d	140	Mazzoli	61	Brown	39	14th	67	Whitten	65	Bowlin	35
4th	147	Martin	31	Bunning	69	15th	71	Espy	84	Parks	19
5th	65	(1)	(1)	Rogers	100	16th	49	Montgom-	100	Smith	19
6th	77	(1)	(1)	Hopkins	100	17th	142	ery	(1)	Emerson	57
7th	121	Perkins	51	Scott	49	18th	164	Volkmer	58	Curtis	43
LA <sup>9</sup>		(NA) (X)	(X)	(X)	(X)	19th	164	Carmanah.	43	Parks	19
1st		(X) (X)	(X)	Living- ston <sup>4</sup>	(X)	20th	103	Williams	61	Johnson	39
2d	106	Jefferson <sup>5</sup>	100	(X)	(X)	21st	189	Clay	61	Piotrowski	39
3d	(X)	Tauzin <sup>4</sup>	(X)	(X)	(X)	22d	157	Horn	50	Buechner	50
4th	(X)	(X)	(X)	McCreary <sup>4</sup>	(X)	3d	157	Gephardt	57	Holekamp	43
5th	(X)	Huckaby <sup>4</sup>	(X)	(X)	(X)	4th	171	Skelton	62	Everly	38
6th	(X)	(X)	(X)	Baker <sup>4</sup>	(X)	5th	116	Wheat	62	Gardner	38
7th	(X)	(X)	(X)	(X)	(X)	6th	152	McClure	48	Coleman	52
8th	(X)	(X)	(X)	Holloway <sup>4</sup>	(X)	7th	160	Deaton	48	Hancock	52
ME	517	(X)	55	(X)	45	8th	142	Carnaahan.	43	Emerson	57
1st	279	Andrews	60	Emery	40	9th	164	Volkmer	58	Curtis	43
2d	239	McGowan	49	Snowe	51	10th	164	Williams	61	Johnson	39
MD	1,091	(X)	52	(X)	47	11th	153	Burns	37	Marlenee	63
1st	156	Dyson	43	Gilchrest	57	12th	189	(X)	47	Bereuter	65
2d	155	Bowers	26	Bentley	74	13th	200	Hall	35	Barrett	51
3d	118	Cardin	70	Nichols	30	14th	193	Hoagland	58	Dickinson	34
4th	145	McMillen	59	Duckworth	41	15th	193	Scofield	49	Vucanovich	59
5th	105	Hoyer	81	Breuer	19	16th	175	Wisdom	34	Zelliff	55
6th	163	Byron	65	Fiotes	35	17th	138	Bilbray	61	Douglas	47
7th	70	Mfume	85	Kondner	15	18th	142	Keefe	45		
8th	177	Walker	22	Morella	74	19th	142	Swett	53		
MA	2,051	(X)	69	(X)	28	NH	291	(X)	49		
1st	195	Arden	22	Conte	78	1st	148	(X)	51		
2d	134	Neal	100	(1)	(1)	2d	142	(X)	55		
3d	152	Early	99	(1)	(1)						
4th	219	Frank	66	Soto	35						

See footnotes at end of table.

**No. 420. Vote Cast for United States Representatives, by Major Political Party—  
Congressional Districts: 1990—Continued**

[See headnote, p. 258]

STATE AND DIS- TRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE		STATE AND DIS- TRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE	
		Name	Per- cent of total	Name	Per- cent of total			Name	Per- cent of total	Name	Per- cent of total
NJ . . . . .	1,827	(X) . . . . .	46	(X) . . . . .	50	ND . . . . .	234	Dorgan . . . . .	65	Schafer . . . . .	35
1st . . . . .	134	Andrews . . . . .	54	Mangini . . . . .	43	OH . . . . .	3,418	(X) . . . . .	53	(X) . . . . .	47
2d . . . . .	111	Hughes . . . . .	88	(') . . . . .	(1)	1st . . . . .	164	Luken . . . . .	51	Blackwell . . . . .	49
3d . . . . .	159	Pallone . . . . .	49	Kapalko . . . . .	47	2d . . . . .	161	Yates . . . . .	36	Gradison . . . . .	64
4th . . . . .	159	Setaro . . . . .	35	Smith . . . . .	63	3d . . . . .	117	Hall . . . . .	100	(') . . . . .	(1)
5th . . . . .	156	Olsen . . . . .	22	Roukema . . . . .	76	4th . . . . .	168	Burkhart . . . . .	38	Oxley . . . . .	62
6th . . . . .	126	Dwyer . . . . .	56	Daniel- czyk . . . . .	46	5th . . . . .	166	Mange . . . . .	25	Gillmor . . . . .	69
7th . . . . .	134	Bergen . . . . .	23	Rinaldo . . . . .	75	6th . . . . .	165	Mitchell . . . . .	29	McEwen . . . . .	71
8th . . . . .	73	Roe . . . . .	77	(') . . . . .	(1)	7th . . . . .	156	Schira . . . . .	38	Hobson . . . . .	62
9th . . . . .	155	Tomicelli . . . . .	53	Russo . . . . .	45	8th . . . . .	164	Jolivette . . . . .	39	Boehner . . . . .	61
10th . . . . .	52	Payne . . . . .	81	Berkoley . . . . .	17	9th . . . . .	151	Kaptur . . . . .	78	Lammers . . . . .	22
11th . . . . .	144	Gordon . . . . .	33	Gallo . . . . .	65	10th . . . . .	168	Buchanan . . . . .	37	Miller . . . . .	63
12th . . . . .	168	Chandler . . . . .	31	Zimmer . . . . .	64	11th . . . . .	170	Eckart . . . . .	66	Mueller . . . . .	34
13th . . . . .	171	Adler . . . . .	39	Saxton . . . . .	58	12th . . . . .	181	Gelpi . . . . .	28	Kasich . . . . .	72
14th . . . . .	85	Guarini . . . . .	66	Theemling . . . . .	29	13th . . . . .	165	Pease . . . . .	57	Nielsen . . . . .	37
NM . . . . .	358	(X) . . . . .	41	(X) . . . . .	60	14th . . . . .	164	Sawyer . . . . .	60	Bender . . . . .	40
1st . . . . .	139	Vigil-Giron . . . . .	90	Schiff . . . . .	70	15th . . . . .	168	Erney . . . . .	41	Wylie . . . . .	59
2d . . . . .	81	(') . . . . .	(1)	Sheen . . . . .	100	16th . . . . .	172	Menden- hall . . . . .	41	Regula . . . . .	59
3d . . . . .	140	Richardson . . . . .	75	Archu- letta . . . . .	26	17th . . . . .	171	Trafcant . . . . .	78	DeJulio . . . . .	22
NY . . . . .	3,662	(X) . . . . .	50	(X) . . . . .	45	18th . . . . .	183	Applegate . . . . .	74	Hales . . . . .	26
1st . . . . .	134	Hoch- brueck- ner . . . . .	56	Craighton . . . . .	35	19th . . . . .	205	Feighan . . . . .	65	Lawko . . . . .	35
2d . . . . .	102	Downey . . . . .	55	Bugler . . . . .	36	20th . . . . .	149	Oskar . . . . .	73	Smith . . . . .	27
3d . . . . .	137	Mrazek . . . . .	53	Previdi . . . . .	43	21st . . . . .	129	Stokes . . . . .	80	Roski . . . . .	20
4th . . . . .	130	Goban . . . . .	32	Lent . . . . .	61	OK . . . . .	857	(X) . . . . .	61	(X) . . . . .	39
5th . . . . .	132	Epstein . . . . .	41	McGrath . . . . .	55	1st . . . . .	135	Glassco . . . . .	44	Inhofe . . . . .	56
6th . . . . .	61	Flake . . . . .	73	Sampol . . . . .	22	2d . . . . .	148	Synar . . . . .	61	Gorham . . . . .	39
7th . . . . .	51	Ackerman . . . . .	100	(') . . . . .	(1)	3d . . . . .	134	Brewster . . . . .	80	Miller . . . . .	20
8th . . . . .	78	Scheuer . . . . .	72	Reifen- kugel . . . . .	28	4th . . . . .	137	McCurdy . . . . .	74	Bell . . . . .	26
9th . . . . .	55	Manton . . . . .	64	Darby . . . . .	24	5th . . . . .	165	Baggett . . . . .	30	Edwards . . . . .	70
10th . . . . .	76	Schumer . . . . .	80	Kinsella . . . . .	22	6th . . . . .	138	English . . . . .	80	Burns . . . . .	20
11th . . . . .	39	Towns . . . . .	93	(') . . . . .	(1)	PA . . . . .	1,053	(X) . . . . .	63	(X) . . . . .	33
12th . . . . .	43	Owens . . . . .	95	(') . . . . .	(1)	1st . . . . .	238	AcColin . . . . .	63	Molander . . . . .	30
13th . . . . .	59	Solarz . . . . .	80	Ramos . . . . .	20	2d . . . . .	188	Smiley . . . . .	32	Smith . . . . .	68
14th . . . . .	98	Poccia . . . . .	36	Molinari . . . . .	60	3d . . . . .	210	Wyden . . . . .	81	Mooney . . . . .	19
15th . . . . .	80	Reiter . . . . .	37	Green . . . . .	59	4th . . . . .	189	DeFazio . . . . .	86	(') . . . . .	(1)
16th . . . . .	57	Rangel . . . . .	97	(') . . . . .	(1)	5th . . . . .	227	Kopetski . . . . .	55	Smith . . . . .	45
17th . . . . .	98	Weiss . . . . .	81	Koeppel . . . . .	15	PA . . . . .	2,851	(X) . . . . .	45	(X) . . . . .	55
18th . . . . .	41	Serrano . . . . .	93	Chiavarro . . . . .	3	1st . . . . .	92	Foglietta . . . . .	79	Jackson . . . . .	21
19th . . . . .	75	Engel . . . . .	61	Gouldman . . . . .	23	2d . . . . .	103	Gray . . . . .	92	Bakove . . . . .	8
20th . . . . .	131	Lowey . . . . .	63	Bellito . . . . .	27	3d . . . . .	150	Borski . . . . .	60	McColgan . . . . .	40
21st . . . . .	140	Barbuto . . . . .	24	Fish . . . . .	71	4th . . . . .	133	Kolter . . . . .	56	Johnston . . . . .	44
22d . . . . .	139	Dow . . . . .	27	Gilmor . . . . .	69	5th . . . . .	131	Stretton . . . . .	39	Schulze . . . . .	57
23d . . . . .	183	McNulty . . . . .	64	Buhrmaster . . . . .	36	6th . . . . .	130	Yatron . . . . .	57	Hicks . . . . .	43
24th . . . . .	178	Lawrence . . . . .	32	Solomon . . . . .	68	7th . . . . .	162	Innelli . . . . .	35	Weldon . . . . .	65
25th . . . . .	108	(') . . . . .	(1)	Boehlert . . . . .	84	8th . . . . .	150	Kostmayer . . . . .	57	Schaller . . . . .	43
26th . . . . .	97	(') . . . . .	(1)	Martin . . . . .	100	9th . . . . .	107	(') . . . . .	(1)	Shuster . . . . .	100
27th . . . . .	151	Murray . . . . .	35	Walsh . . . . .	63	10th . . . . .	113	(') . . . . .	(1)	McDade . . . . .	100
28th . . . . .	151	McHugh . . . . .	65	Krieger . . . . .	35	11th . . . . .	88	Kanjorski . . . . .	100	(') . . . . .	(1)
29th . . . . .	141	Eber . . . . .	25	Horton . . . . .	63	12th . . . . .	131	Murtha . . . . .	62	Choby . . . . .	38
30th . . . . .	165	Slaughter . . . . .	59	Regan . . . . .	41	13th . . . . .	149	Tomkin . . . . .	40	Coughlin . . . . .	60
31st . . . . .	160	Gaughan . . . . .	43	Paxton . . . . .	57	14th . . . . .	108	Coyne . . . . .	72	Caliguiri . . . . .	28
32d . . . . .	124	LaFalce . . . . .	55	Waring . . . . .	31	15th . . . . .	127	Orlowski . . . . .	39	Flitter . . . . .	61
33d . . . . .	110	Nowak . . . . .	78	Kepler . . . . .	17	16th . . . . .	129	Guyll . . . . .	34	Walker . . . . .	66
34th . . . . .	128	Leahy . . . . .	29	Houghton . . . . .	70	17th . . . . .	110	(') . . . . .	(1)	Gekas . . . . .	100
NC . . . . .	2,011	(X) . . . . .	54	(X) . . . . .	47	18th . . . . .	167	Walgren . . . . .	49	Santorum . . . . .	51
1st . . . . .	163	Jones . . . . .	65	Moye . . . . .	35	19th . . . . .	124	Murphy . . . . .	63	Goodling . . . . .	100
2d . . . . .	175	Valentine . . . . .	75	Sharpe . . . . .	25	20th . . . . .	125	Gaydos . . . . .	66	Lee . . . . .	34
3d . . . . .	142	Lancaster . . . . .	59	Davis . . . . .	41	21st . . . . .	93	(') . . . . .	(1)	Ridge . . . . .	100
4th . . . . .	240	Price . . . . .	58	Carrington . . . . .	42	22d . . . . .	124	Murphy . . . . .	63	Hayden . . . . .	37
5th . . . . .	193	Neal . . . . .	59	Bell . . . . .	41	23d . . . . .	132	Shannon . . . . .	41	Clinger . . . . .	59
6th . . . . .	188	Allegrone . . . . .	33	Coble . . . . .	67	RI . . . . .	347	(X) . . . . .	53	(X) . . . . .	48
7th . . . . .	145	Rose . . . . .	66	Anderson . . . . .	34	2d . . . . .	184	Wolf . . . . .	45	Machtley . . . . .	55
8th . . . . .	180	Hefner . . . . .	55	Blanton . . . . .	45	3d . . . . .	124	Reed . . . . .	59	Coxe . . . . .	41
9th . . . . .	213	McKnight . . . . .	38	McMillan . . . . .	62	4th . . . . .	102	(X) . . . . .	57	Spence . . . . .	41
10th . . . . .	172	Green . . . . .	38	Ballenger . . . . .	62	5d . . . . .	125	Derrick . . . . .	58	Haskett . . . . .	42
11th . . . . .	201	Clarke . . . . .	49	Taylor . . . . .	51	6th . . . . .	134	Patterson . . . . .	61	Haskins . . . . .	38
							95	Spratt . . . . .	100	(') . . . . .	(1)
								Tallion . . . . .	100	(') . . . . .	(1)

See footnotes at end of table.

**No. 420. Vote Cast for United States Representatives, by Major Political Party—  
Congressional Districts: 1990—Continued**

[See headnote, p. 258]

STATE AND DIS- TRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE		STATE AND DIS- TRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE	
		Name	Per- cent of total	Name	Per- cent of total			Name	Per- cent of total	Name	Per- cent of total
SD . . .	257	Johnson . . .	68	Frankenfeld . . .	32	1st . . .	159	Brunsdale . . .	44	Hansen . . .	52
TN . . .	717	(X) . . .	52	(X) . . .	40	2d . . .	148	Owens . . .	58	Atwood . . .	40
1st. . .	48	(1) . . .	(1)	Quillen . . .	100	3d . . .	136	Orton . . .	58	Snow . . .	36
2d. . .	78	(1) . . .	(1)	Duncan . . .	81	VA . . .	210	Sandoval . . .	3	Smith . . .	40
3d. . .	94	Lloyd . . .	53	Rhoden . . .	39	1,153 (X) . . .	58	(X) . . .	36		
4th. . .	77	Cooper . . .	67	Sanders . . .	30	1st . . .	141	Fox . . .	49	Bateman . . .	51
5th. . .	77	Clement . . .	72	(1) . . .	(1)	2d . . .	74	Pickett . . .	75	(1) . . .	(1)
6th. . .	91	Gordon . . .	67	Cochran . . .	29	3d . . .	118	Starke . . .	31	Bliley . . .	65
7th. . .	107	Blood- worth . . .	38	Sundquist . . .	62	4th. . .	91	Sisisky . . .	78	(1) . . .	(1)
8th. . .	62	Tanner . . .	100	(1) . . .	(1)	6th. . .	112	Olin . . .	83	(1) . . .	(1)
9th. . .	84	Ford . . .	58	Davis . . .	31	7th. . .	141	Smith . . .	42	Slaughter . . .	58
TX . . .	3,278	(X) . . .	54	(X) . . .	46	8th. . .	171	Moran . . .	52	Parris . . .	45
1st. . .	146	Chapman . . .	61	Hodges . . .	39	9th. . .	69	Boucher . . .	97	(1) . . .	(1)
2d. . .	139	Wilson . . .	56	Peterson . . .	44	10th. . .	169	Canter . . .	34	Wolf . . .	62
3d. . .	154	(1) . . .	(1)	Bartlett . . .	100	WA . . .	1,313 (X) . . .	(1) . . .	53	(X) . . .	45
4th. . .	109	Hall . . .	100	(1) . . .	(1)	1st . . .	193	Sullivan . . .	48	Miller . . .	52
5th. . .	109	Bryant . . .	60	Rucker . . .	38	2d . . .	184	Swift . . .	51	Smith . . .	42
6th. . .	188	Welch . . .	33	Barton . . .	67	3d . . .	178	Unsoeld . . .	54	Williams . . .	46
7th. . .	114	(1) . . .	(1)	Archer . . .	100	4th. . .	151	Hougen . . .	29	Morrison . . .	71
8th. . .	61	(1) . . .	(1)	Fields . . .	100	5th. . .	160	Foley . . .	69	Derby . . .	31
9th. . .	138	Brooks . . .	58	Meyers . . .	42	6th. . .	129	Dicks . . .	61	Mueller . . .	39
10th. . .	235	Pickle . . .	65	Beilharz . . .	31	7th. . .	148	McDer- mott . . .	72	Penberthy . . .	24
11th. . .	138	Edwards . . .	54	Shine . . .	47	8th. . .	171	Giles . . .	44	Chandler . . .	56
12th. . .	137	Geren . . .	71	McGinn . . .	29	WV . . .	375 (X) . . .	(X) . . .	67	(X) . . .	33
13th. . .	145	Sarpalus . . .	57	Waterfield . . .	44	1st . . .	109	Mollohan . . .	67	Tuck . . .	33
14th. . .	164	Laughlin . . .	54	Dial . . .	46	2d . . .	114	Staggers . . .	56	Luck . . .	45
15th. . .	72	de la Garza . . .	100	(1) . . .	(1)	3d . . .	75	Wise . . .	100	(1) . . .	(1)
16th. . .	65	Coleman . . .	96	(1) . . .	(1)	4th. . .	77	Rahall . . .	52	Brewster . . .	48
17th. . .	104	Stenholm . . .	100	(1) . . .	(1)	WI . . .	1,256 (X) . . .	(X) . . .	48	(X) . . .	52
18th. . .	55	Washington . . .	100	(1) . . .	(1)	1st . . .	95	Aspin . . .	99	(1) . . .	(1)
19th. . .	84	(1) . . .	(1)	Combest . . .	100	2d . . .	182	Kasten- meier . . .	47	Klug . . .	53
20th. . .	56	Gonzalez . . .	100	(1) . . .	(1)	3d . . .	155	Ziegeweid . . .	39	Gunderson . . .	61
21st. . .	193	Roberts . . .	25	Smith . . .	75	4th . . .	140	Kleczka . . .	69	Cook . . .	31
22d. . .	131	Director . . .	29	DeLay . . .	71	5th . . .	114	Moody . . .	68	Hammer- smith . . .	27
23d. . .	112	Busta- mante . . .	64	Gonzales . . .	37	6th . . .	112	(1) . . .	(1)	Petri . . .	100
24th. . .	86	Frost . . .	100	(1) . . .	(1)	7th . . .	161	Obey . . .	62	McEwen . . .	38
25th. . .	67	Andrews . . .	100	(1) . . .	(1)	8th . . .	179	Sistine . . .	46	Roth . . .	54
26th. . .	210	Caton . . .	30	Armey . . .	70	9th . . .	118	(1) . . .	(1)	Sensen- brenner . . .	100
27th. . .	63	Ortiz . . .	100	(1) . . .	(1)	43	WY . . .	Maxfield . . .	45	Thomas . . .	55
UT . . .	442	(X) . . .	53	(X) . . .							

NA Not available. X Not applicable. <sup>1</sup> No candidate. <sup>2</sup> The winning Republican candidate received 78,768 votes; the Democratic candidate, 77,794. <sup>3</sup> Louisiana holds an open-primary election with candidates from all parties running on the same ballot. Any candidate who receives a majority is elected; if no candidate receives 50 percent, there is a run-off election in November between the top two finishers. <sup>4</sup> Candidate listed won seat in open-primary. <sup>5</sup> Both candidates in run-off election were Democrats. <sup>6</sup> The winning Democratic candidate received 94,378 votes; the Republican candidate, 94,324. <sup>7</sup> The winning candidate was Sanders, an Independent, who received 56 percent of the vote.

Source: Elections Research Center, Chevy Chase, MD, *America Votes*, biennial, (copyright).

**No. 421. Composition of Congress, by Political Party: 1961 to 1991**

[D=Democratic, R=Republican. Data for beginning of first session of each Congress (as of January 3). Excludes vacancies at beginning of session. See also *Historical Statistics, Colonial Times to 1970*, series Y 204-210]

YEAR	Party and President	Congress	HOUSE			SENATE		
			Majority party	Minority party	Other	Majority party	Minority party	Other
1961	D (Kennedy)	87th	D-263	R-174	-	D-65	R-35	-
1963	D (Kennedy)	88th	D-258	R-177	-	D-67	R-33	-
1965	D (Johnson)	89th	D-295	R-140	-	D-68	R-32	-
1967	D (Johnson)	90th	D-247	R-187	-	D-64	R-36	-
1969	R (Nixon)	91st	D-243	R-192	-	D-57	R-43	-
1971 <sup>1</sup>	R (Nixon)	92d	D-254	R-180	-	D-54	R-44	2
1973 <sup>1 2</sup>	R (Nixon)	93d	D-239	R-192	1	D-56	R-42	2
1975 <sup>3</sup>	R (Ford)	94th	D-291	R-144	-	D-60	R-37	2
1977 <sup>4</sup>	D (Carter)	95th	D-292	R-143	-	D-61	R-38	1
1979 <sup>4</sup>	D (Carter)	96th	D-276	R-157	-	D-58	R-41	1
1981 <sup>4</sup>	R (Reagan)	97th	D-243	R-192	-	R-53	D-46	1
1983	R (Reagan)	98th	D-269	R-165	-	R-54	D-46	-
1985	R (Reagan)	99th	D-252	R-182	-	R-53	D-47	-
1987	R (Reagan)	100th	D-258	R-177	-	D-55	R-45	-
1989	R (Bush)	101st	D-259	R-174	-	D-55	R-45	-
1991 <sup>5</sup>	R (Bush)	102nd	D-267	R-167	1	D-56	R-44	-

<sup>1</sup> Represents zero. <sup>2</sup> Senate had one Independent and one Conservative-Republican. <sup>3</sup> House had one Independent-Democrat. <sup>4</sup> Senate had one Independent, one Conservative-Republican, and one undecided (New Hampshire). <sup>5</sup> Senate had one Independent. <sup>6</sup> House had one Independent-Socialist.

Source: U.S. Congress, Joint Committee on Printing, *Congressional Directory*, annual; beginning 1977, biennial.

**No. 422. U.S. Congress—Measures Introduced and Enacted and Time in Session: 1973 to 1990**

[Excludes simple and concurrent resolutions. See also *Historical Statistics, Colonial Times to 1970*, series Y 189-198]

ITEM	93d Cong., 1973-74	94th Cong., 1975-76	95th Cong., 1977-78	96th Cong., 1979-80	97th Cong., 1981-82	98th Cong., 1983-84	99th Cong., 1985-86	100th Cong., 1987-88	101st Cong., 1989-90
Measures introduced	23,396	21,096	19,387	12,583	11,490	11,156	9,885	9,588	6,664
Bills	21,950	19,762	18,045	11,722	10,582	10,134	8,697	8,515	5,977
Joint resolutions	1,446	1,334	1,342	861	908	1,022	1,188	1,073	687
Measures enacted	774	729	803	736	529	677	483	761	666
Public	651	588	633	613	473	623	466	713	650
Private	123	141	170	123	56	54	17	48	16
HOUSE OF REPRESENTATIVES									
Number of days	318	311	323	326	303	266	281	298	281
Number of hours	1,487	1,788	1,898	1,876	1,420	1,705	1,794	1,659	1,688
Number of hours per day	4.7	5.7	5.9	5.8	4.7	6.4	6.4	5.6	6.0
SENATE									
Number of days	334	320	337	333	312	281	313	307	274
Number of hours	2,028	2,210	2,510	2,324	2,158	1,951	2,531	2,341	2,254
Number of hours per day	6.1	6.9	7.4	7.0	6.9	8.1	7.6	8.2	8.2

Source: U.S. Congress, *Congressional Record* and *Daily Calendar*, selected issues.

**No. 423. Congressional Bills Vetoed: 1961 to 1990**

[See also *Historical Statistics, Colonial Times to 1970*, series Y 199-203]

PERIOD	President	Total vetoes	Regular vetoes	Pocket vetoes	Vetoes sustained	Bills passed over veto
1961-63	Kennedy	21	12	9	21	-
1963-69	Johnson	30	16	14	30	-
1969-74	Nixon	42	24	18	36	6
1974-77	Ford	72	53	19	60	12
1977-81	Carter	31	13	18	29	2
1981-89	Reagan	78	39	39	69	9
1989-90	Bush	11	8	3	11	-

<sup>1</sup> Represents zero.

Source: U.S. Congress, Senate Library, *Presidential Vetoes ... 1789-1968*; U.S. Congress, *Calendars of the U.S. House of Representatives and History of Legislation*, annual.

## No. 424. Composition of Congress, by Political Party Affiliation—States: 1985 to 1991

[Figures are for the beginning of the first session (as of January 3). Dem.=Democratic; Rep.=Republican]

REGION, DIVISION, AND STATE	REPRESENTATIVES								SENATORS							
	99th Cong., 1 1985		100th Cong., 1987		101st Cong., 1989		102nd Cong., 1991		99th Cong., 1985		100th Cong., 1987		101st Cong., 1989		102nd Cong., 1991	
	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.
U.S. ....	252	182	258	177	259	174	267	167	47	53	55	45	55	45	56	44
Northeast ....	54	41	55	40	55	40	56	38	9	9	9	9	10	8	10	8
N.E. ....	14	10	15	9	14	10	16	7	6	6	6	6	7	5	7	5
ME	-	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NH	-	2	-	2	-	2	1	1	-	2	-	2	-	2	-	2
VT	-	1	-	1	-	1	-	-	1	1	1	1	1	1	1	1
MA	10	1	10	1	10	1	10	1	2	1	1	1	1	1	1	1
RI	1	1	1	1	1	-	2	1	1	1	1	1	1	1	1	1
CT	3	3	3	3	3	3	3	3	1	1	1	1	2	-	2	-
M.A. ....	40	31	40	31	41	30	40	31	3	3	3	3	3	3	3	3
NY	19	15	20	14	21	13	21	13	1	1	1	1	1	1	1	1
N.J.	8	6	8	6	8	6	8	6	2	-	2	-	2	-	2	-
PA	13	10	12	11	12	11	11	12	-	2	-	2	-	2	-	2
Midwest ....	61	51	62	51	64	48	68	45	12	12	13	11	13	11	14	10
E.N.C. ....	44	35	46	34	47	32	49	31	7	3	7	3	7	3	7	3
OH	11	10	11	10	11	10	11	10	2	2	2	-	2	-	2	-
IN	4	5	6	4	6	3	8	2	-	2	-	2	-	2	-	2
IL	13	9	13	9	14	8	15	7	2	-	2	-	2	-	2	-
MI	11	7	11	7	11	7	11	7	2	-	2	-	2	-	2	-
WI	5	4	5	4	5	4	4	5	1	1	1	1	1	1	1	1
W.N.C. ....	17	16	16	17	17	16	19	14	5	5	6	6	6	6	7	7
MN	5	3	5	3	5	3	6	2	-	2	-	2	-	2	-	2
IA	2	4	2	4	2	4	2	4	1	1	1	1	1	1	1	1
MO	6	3	5	4	5	4	6	3	1	1	1	1	1	1	1	1
ND	1	-	1	-	1	-	1	-	1	1	1	1	1	1	1	1
SD	1	-	1	-	1	-	1	-	-	2	1	1	1	1	1	1
NE	-	3	-	3	1	2	1	2	-	2	1	2	-	2	-	2
KS	2	3	2	3	2	3	2	3	-	2	-	2	-	2	-	2
South ....	93	49	96	46	95	46	95	47	18	14	23	9	22	10	22	10
S.A. ....	44	25	48	21	47	22	45	24	7	9	11	5	11	5	11	5
DE	1	-	1	-	1	-	1	-	1	1	1	1	1	1	1	1
MD	6	2	6	2	6	2	5	3	1	1	2	-	2	-	2	-
VA	4	6	5	5	5	5	6	4	-	2	-	2	1	1	1	1
WV	4	-	4	-	4	-	4	-	2	-	2	-	2	-	2	-
NC	6	5	8	3	8	3	7	4	-	2	1	1	1	1	1	1
SC	3	3	4	2	4	2	4	2	1	1	1	1	1	1	1	1
GA	8	2	8	2	9	1	9	1	1	1	1	2	-	2	-	2
FL	12	7	12	7	10	9	9	10	1	1	1	2	-	1	1	1
E.S.C. ....	18	10	19	9	18	9	20	8	5	3	6	2	5	3	5	3
KY	4	3	4	3	4	3	4	3	1	1	1	1	1	1	1	1
TN	6	3	6	3	6	3	6	3	2	-	2	-	2	-	2	-
AL	5	2	5	2	4	2	5	2	1	1	1	2	-	2	-	2
MS	3	2	4	1	4	1	5	-	1	1	1	1	-	2	-	2
W.S.C. ....	31	14	29	16	30	15	30	15	6	2	6	2	6	2	6	2
AR	3	1	3	1	3	1	3	1	2	-	2	-	2	-	2	-
LA	6	2	5	3	4	4	4	4	2	-	2	-	2	-	2	-
OK	5	1	4	2	4	2	4	2	1	1	1	1	1	1	1	1
TX	17	10	17	10	19	8	19	8	1	1	1	1	1	1	1	1
West ....	44	41	45	40	45	40	48	37	8	18	10	16	10	16	10	16
Mt	7	17	9	15	9	15	11	13	5	11	6	10	6	10	6	10
MT	1	1	1	1	1	1	1	1	2	-	2	-	1	1	1	1
ID	1	1	1	1	1	1	2	-	-	2	-	2	-	2	-	2
WY	-	1	-	1	-	1	-	1	-	2	-	2	-	2	-	2
CO	2	4	3	3	3	3	3	3	1	1	1	1	1	1	1	1
NM	1	2	1	2	1	2	1	2	1	1	1	1	1	1	1	1
AZ	1	4	1	4	1	4	1	4	1	1	1	1	1	1	1	1
UT	-	3	1	2	1	2	2	1	1	2	-	2	-	2	-	2
NV	1	1	1	1	1	1	1	1	-	2	1	1	2	-	2	-
Pac ....	37	24	36	25	36	25	37	24	3	7	4	6	4	6	4	6
WA	5	3	5	3	5	3	5	3	-	2	1	1	1	1	1	1
OR	3	2	3	2	3	2	4	1	-	2	-	2	-	2	-	2
CA	27	18	27	18	27	18	26	19	1	1	1	1	1	1	1	1
AK	-	1	-	1	-	1	-	1	-	2	-	2	-	2	-	2
HI	2	-	1	1	1	1	2	-	2	-	2	-	2	-	2	-

- Represents zero. <sup>1</sup> Indiana had one vacancy. <sup>2</sup> Alabama had one vacancy. <sup>3</sup> Vermont had one Independent-Socialist Representative.

Source: U.S. Congress, Joint Committee on Printing, *Congressional Directory*, biennial; and unpublished data.

**No. 425. Members of Congress—Incumbents Re-elected: 1966 to 1990**

ITEM	PRESIDENTIAL-YEAR ELECTIONS						MIDTERM ELECTIONS						
	1968	1972	1976	1980	1984	1988	1966	1970	1974	1978	1982	1986	1990
<b>Representatives:</b>													
Incumbent candidates . . . . .	409	390	384	398	412	409	411	401	391	382	393	394	407
Re-elected . . . . .	396	365	368	361	393	402	362	379	343	358	354	385	391
Percent of candidates . . . . .	96.8	93.6	95.8	90.7	95.4	98.3	88.1	94.5	87.7	93.7	90.1	97.7	96.1
Defeated: In primaries . . . . .	4	12	3	6	3	1	8	10	8	5	10	3	1
In general elections . . . . .	9	13	13	31	16	6	41	12	40	19	29	6	15
<b>Senators:</b>													
Incumbent candidates . . . . .	28	27	25	29	29	27	32	31	27	25	30	28	32
Re-elected . . . . .	20	20	16	16	26	23	28	24	23	15	28	21	31
Percent of candidates . . . . .	71.4	74.1	64.0	55.2	89.7	85.2	87.5	77.4	85.2	60.0	93.3	75.0	96.9
Defeated: In primaries . . . . .	4	2	-	4	9	3	4	1	6	2	3	-	-
In general elections . . . . .	4	5	9	9	3	4	1	6	2	7	2	7	1

- Represents zero. <sup>1</sup> Six incumbents defeated in primaries by other incumbents due to redistricting.

Source: Ornstein, Norman J., Thomas E. Mann, and Michael J. Malbin, *Vital Statistics on Congress, 1991-1992*, Congressional Quarterly, Inc., Washington, DC, 1991 and Congressional Quarterly, Inc., Washington, DC, *Congressional Quarterly Weekly Report*, vol. 46, No. 18, May 6, 1989, and selected prior issues, (copyright).

**No. 426. Members of Congress—Selected Characteristics: 1977 to 1991**

[As of beginning of first session of each Congress, (January 3). Figures for Representatives exclude vacancies]

MEMBERS OF CONGRESS AND YEAR	Male	Female	Black	Hispanic <sup>1</sup>	AGE (in years)						SENIORITY <sup>2</sup>					
					Under 40	40 to 49	50 to 59	60 to 69	70 to 79	80 and over	Less than 2 years	2 to 9 years	10 to 19 years	20 to 29 years	30 years or more	
<b>REPRESENTATIVES</b>																
95th Cong., 1977 . . . . .	417	18	16	5	81	121	147	71	15	-	71	207	116	33	8	
96th Cong., 1979 . . . . .	417	16	16	5	86	125	145	63	14	-	80	206	105	32	10	
97th Cong., 1981 . . . . .	416	19	17	6	94	142	132	54	12	1	77	231	96	23	8	
98th Cong., 1983 . . . . .	413	21	21	8	86	145	132	57	13	1	83	224	88	28	11	
99th Cong., 1985 . . . . .	412	22	20	10	71	154	131	59	17	2	49	237	104	34	10	
100th Cong., 1987 . . . . .	412	23	23	11	63	153	137	56	24	2	51	221	114	37	12	
101st Cong., 1989 . . . . .	408	25	24	10	41	163	133	74	20	2	39	207	139	35	13	
102d Cong., 1991 . . . . .	407	28	25	11	39	152	134	86	20	4	55	178	147	44	11	
<b>SENATORS</b>																
95th Cong., 1977 . . . . .	100	-	1	-	6	26	35	21	10	2	18	41	24	12	5	
96th Cong., 1979 . . . . .	99	1	-	-	10	31	33	17	8	1	20	41	23	12	4	
97th Cong., 1981 . . . . .	98	2	-	-	9	35	36	14	6	-	19	51	17	11	2	
98th Cong., 1983 . . . . .	98	2	-	-	7	28	39	20	3	3	5	61	21	10	3	
99th Cong., 1985 . . . . .	98	2	-	-	4	27	38	25	4	2	8	56	27	7	2	
100th Cong., 1987 . . . . .	98	2	-	-	5	30	36	22	5	2	14	41	36	7	2	
101st Cong., 1989 . . . . .	98	2	-	-	30	40	22	6	2	23	22	43	10	2		
102d Cong., 1991 . . . . .	98	2	-	-	23	46	24	5	2	5	34	47	10	4		

- Represents zero. <sup>1</sup> Source: National Association of Latino Elected and Appointed Officials, Washington, DC, *National Roster of Hispanic Elected Officials*, annual. <sup>2</sup> Represents consecutive years of service.

Source: Except as noted, compiled by U.S. Bureau of the Census from data published in *Congressional Directory*, biennial.

**No. 427. Congressional Staff, by Location of Employment: 1967 to 1989**

[Excludes those persons employed in Congressional support agencies such as the U.S. General Accounting Office, the Library of Congress, and the Congressional Budget Office]

YEAR	PERSONAL STAFF		YEAR	STANDING COMMITTEE STAFF		LOCATION OF EMPLOYMENT	1981	1983	1985	1987	1989
	House	Senate		House	Senate						
1967 . . . . .	4,055	1,749	1970 . . . . .	702	635	Total . . . . .	17,422	17,963	18,136	18,124	17,306
1972 . . . . .	5,280	2,426	1976 . . . . .	1,680	1,201	House of Representatives . . . . .	11,217	11,537	11,636	11,703	11,184
1976 . . . . .	6,939	3,251	1977 . . . . .	1,776	1,028	Committee staff . . . . .	2,068	2,146	2,136	2,267	
1977 . . . . .	6,942	3,554	1978 . . . . .	1,844	1,151	Personal staff . . . . .	7,487	7,606	7,528	7,584	7,569
1978 . . . . .	6,944	3,268	1979 . . . . .	1,909	1,269	Leadership staff . . . . .	127	135	144	138	133
1979 . . . . .	7,067	3,593	1980 . . . . .	1,917	1,191	Officers of House, staff . . . . .	1,686	1,728	1,818	1,845	1,215
1980 . . . . .	7,371	3,746	1981 . . . . .	1,843	1,022						
1981 . . . . .	7,487	3,945	1982 . . . . .	1,839	1,047						
1982 . . . . .	7,511	4,041	1983 . . . . .	1,970	1,075						
1983 . . . . .	7,606	4,059	1984 . . . . .	1,944	1,095	Senate . . . . .	6,079	6,303	6,369	6,289	5,984
1984 . . . . .	7,385	3,949	1985 . . . . .	2,009	1,080	Committee staff . . . . .	1,150	1,176	1,178	1,207	1,116
1985 . . . . .	7,528	4,097	1986 . . . . .	1,954	1,075	Personal staff . . . . .	3,945	4,059	4,097	4,075	3,837
1986 . . . . .	7,920	3,774	1987 . . . . .	2,024	1,074	Leadership staff . . . . .	106	120	118	103	105
1987 . . . . .	7,584	4,075	1988 . . . . .	1,976	970	Officers of Senate, staff . . . . .	878	948	976	904	926
1988 . . . . .	7,589	3,837	1989 . . . . .	1,986	1,013	Joint committee staff . . . . .	126	123	131	132	138

<sup>1</sup> House figure is average for year and Senate figure only covers period following implementation of Gramm-Rudman budget reductions. <sup>2</sup> Covers standing, select and special committees.

Source: Ornstein, Norman J., Thomas E. Mann, and Michael J. Malbin, *Vital Statistics on Congress, 1991-1992*, Congressional Quarterly, Inc., Washington, DC, 1991, (copyright).

**No. 428. Number of Governors, by Political Party Affiliation: 1970 to 1992**

[Reflects results of elections in previous year and holdover incumbents]

YEAR	Democratic	Repub-lican	Inde-pen-dent	YEAR	Democratic	Repub-lican	Inde-pen-dent	YEAR	Democratic	Repub-lican	Inde-pen-dent
1970.....	18	32	-	1983.....	34	16	-	1988.....	27	23	-
1975.....	36	13	1	1984.....	35	15	-	1989.....	28	22	-
1980.....	31	19	-	1985.....	34	16	-	1990.....	29	21	-
1981.....	27	23	-	1986.....	34	16	-	1991 <sup>1</sup> .....	28	20	2
1982.....	27	23	-	1987.....	26	24	-	1992.....	27	21	2

 - Represents zero. <sup>1</sup> Reflects result of runoff election in Arizona in February 1991.

 Source: National Governors' Association, Washington, DC, *Directory of Governors of the American States, Commonwealths & Territories*, annual, (copyright).

**No. 429. Vote Cast for and Governor Elected, by State: 1984 to 1990**

[In thousands, except percent. D=Democratic, R=Republican, I=Independent]

DIVISION AND STATE	1984		1986		1988		1990		Candidate elected at most recent election
	Total vote <sup>1</sup>	Percent leading party							
<b>N.E.:</b>									
ME.....	(X)	(X)	427	R-39.9	(X)	(X)	522	R-46.7	John R. McKernan Jr.
NH.....	384	R-66.8	251	R-53.7	442	R-60.4	295	R-60.3	Judd Gregg
VT.....	234	D-50.0	197	D-47.0	243	D-55.4	211	R-51.8	Richard A. Snelling
MA.....	(X)	(X)	1,684	D-68.7	(X)	(X)	2,343	R-50.2	William F. Weld
RI.....	406	R-60.0	323	R-64.7	401	R-50.8	357	D-74.1	Bruce Sundlun
CT.....	(X)	(X)	994	D-57.9	(X)	(X)	1,141	I-40.4	Lowell P. Weicker Jr.
<b>M.A.:</b>									
NY.....	(X)	(X)	4,294	D-64.6	(X)	(X)	4,057	D-53.2	Mario M. Cuomo
NJ <sup>2</sup> .....	1,973	R-69.6	(X)	(X)	2,254	D-61.2	(X)	(X)	James J. Florio
PA.....	(X)	(X)	3,388	D-50.7	(X)	(X)	3,053	D-67.7	Robert P. Casey
<b>E.N.C.:</b>									
OH.....	(X)	(X)	3,067	D-60.6	(X)	(X)	3,478	R-55.7	George V. Voinovich
IN.....	2,198	R-52.2	(X)	(X)	2,141	D-53.2	(X)	(X)	Evan Bayh
IL.....	(X)	(X)	3,144	R-52.7	(X)	(X)	3,257	R-50.7	Jim Edgar
MI.....	(X)	(X)	2,397	D-68.1	(X)	(X)	2,565	R-49.8	John Engler
WI.....	(X)	(X)	1,527	R-52.7	(X)	(X)	1,380	R-58.2	Tommy G. Thompson
<b>W.N.C.:</b>									
MN.....	(X)	(X)	1,416	D-55.8	(X)	(X)	1,807	R-49.6	Arne Carlson
IA.....	(X)	(X)	911	R-51.9	(X)	(X)	976	R-60.6	Terry E. Branstad
MO.....	2,108	R-56.7	(X)	(X)	2,086	R-64.2	(X)	(X)	John Ashcroft
ND.....	314	D-55.3	(X)	(X)	299	D-59.9	(X)	(X)	George Sinner
SD.....	(X)	(X)	294	R-51.8	(X)	(X)	257	R-58.9	George S. Mickelson
NE.....	(X)	(X)	564	R-52.9	(X)	(X)	587	D-49.9	Ben Nelson
KS.....	(X)	(X)	841	R-51.9	(X)	(X)	783	D-48.6	Joan Finney
<b>S.A.:</b>									
DE.....	244	R-55.5	(X)	(X)	240	R-70.7	(X)	(X)	Michael N. Castle
MD.....	(X)	(X)	1,101	D-82.4	(X)	(X)	1,111	D-59.8	William Donald Schaefer
VA <sup>2</sup> .....	1,343	D-55.2	(X)	(X)	1,789	D-50.1	(X)	(X)	L. Douglas Wilder
WV.....	742	R-53.3	(X)	(X)	650	D-58.9	(X)	(X)	Gaston Caperton
NC.....	2,227	R-54.3	(X)	(X)	2,180	R-56.1	(X)	(X)	James G. Martin
SC.....	(X)	(X)	754	R-51.0	(X)	(X)	761	R-69.5	Carroll A. Campbell Jr.
GA.....	(X)	(X)	1,175	D-70.5	(X)	(X)	1,450	D-52.9	Zell Miller
FL.....	(X)	(X)	3,386	R-54.6	(X)	(X)	3,531	D-56.5	Lawton Chiles
<b>E.S.C.:</b>									
KY <sup>3</sup> .....	1,031	D-54.5	781	D-64.6	(X)	(X)	835	D-64.7	Brereton C. Jones
TN.....	(X)	(X)	1,210	D-54.2	(X)	(X)	790	D-60.8	Ned McWherter
AL.....	(X)	(X)	1,236	R-56.3	(X)	(X)	1,216	R-52.1	Guy Hunt
MS <sup>3</sup> .....	743	D-55.1	722	D-53.4	(X)	(X)	711	R-50.8	Kirk Fordice
<b>W.S.C.:</b>									
AR.....	887	D-62.6	689	D-63.9	(X)	(X)	696	D-57.5	Bill Clinton
LA.....	4,161 <sup>4</sup>	R-62.3	4,159	"33.1	(X)	(X)	5,728	D-61.2	Edwin W. Edwards
OK.....	(X)	(X)	910	R-47.5	(X)	(X)	911	D-57.4	David Walters
TX.....	(X)	(X)	3,441	R-52.7	(X)	(X)	3,893	D-49.5	Ann W. Richards
<b>Mt.:</b>									
MT.....	379	D-70.3	(X)	(X)	367	R-51.9	(X)	(X)	Stan Stephens
ID.....	(X)	(X)	387	D-49.9	(X)	(X)	321	D-68.2	Cecil D. Andrus
WY.....	(X)	(X)	165	D-54.0	(X)	(X)	180	D-65.4	Mike Sullivan
CO.....	(X)	(X)	1,059	D-58.2	(X)	(X)	1,011	D-61.9	Roy Romer
NM.....	(X)	(X)	395	R-53.0	(X)	(X)	411	D-54.6	Bruce King
AZ.....	(X)	(X)	867	R-39.7	(X)	(X)	6941	R-52.4	Fife Symington
UT.....	630	R-55.9	(X)	(X)	649	R-40.1	(X)	(X)	Norman H. Bangerter
NV.....	(X)	(X)	260	D-71.9	(X)	(X)	321	D-64.8	Robert J. Miller
<b>Pac.:</b>									
WA.....	1,889	D-53.3	(X)	(X)	1,875	D-62.2	(X)	(X)	Booth Gardner
OR.....	(X)	(X)	1,060	D-51.9	(X)	(X)	1,113	D-45.7	Barbara Roberts
CA.....	(X)	(X)	7,444	R-60.5	(X)	(X)	7,699	R-49.2	Pete Wilson
AK.....	(X)	(X)	180	D-47.3	(X)	(X)	195	I-38.9	Walter J. Hickel
HI.....	(X)	(X)	334	D-52.0	(X)	(X)	340	D-59.8	John Waihee III

 X Not applicable. <sup>1</sup> Includes minor party and scattered votes. <sup>2</sup> Voting years 1985 and 1989. <sup>3</sup> Voting years 1983, 1987, and 1991. <sup>4</sup> Primary elections in Oct. 1983 and Oct. 1987, held on a non-party basis. Winner was Democratic. Runner-up in 1987 withdrew from runoff.

<sup>3</sup> Result of runoff election in 1991. <sup>4</sup> Result of runoff election in February 1991.

 Source: Elections Research Center, Chevy Chase, MD, *America Votes*, biennial and unpublished data, (copyright).

**No. 430. Composition of State Legislatures, by Political Party Affiliation: 1984 to 1990**

[Data reflect election results in year shown for most States; and except as noted, results in previous year for other States. Figures reflect immediate results of elections, including holdover members in State houses which do not have all of their members running for re-election. Dem.=Democrat, Rep.=Republican. In general, Lower House refers to body consisting of State Representatives; Upper House, of State Senators]

STATE	LOWER HOUSE								UPPER HOUSE							
	1984 <sup>1,2</sup>		1986 <sup>3,4</sup>		1988 <sup>5,6</sup>		1990 <sup>7,8</sup>		1984 <sup>1,9</sup>		1986 <sup>3,10</sup>		1988 <sup>5,11</sup>		1990 <sup>7,12</sup>	
	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.								
<b>U.S. ....</b>	<b>3,136</b>	<b>2,316</b>	<b>3,294</b>	<b>2,164</b>	<b>3,277</b>	<b>2,176</b>	<b>3,273</b>	<b>2,174</b>	<b>1,187</b>	<b>753</b>	<b>1,177</b>	<b>762</b>	<b>1,192</b>	<b>751</b>	<b>1,209</b>	<b>731</b>
AL <sup>14</sup>	87	12	89	16	85	17	83	22	28	4	30	5	28	6	28	7
AK <sup>14</sup>	21	18	24	16	23	17	23	17	9	11	8	12	8	12	10	10
AZ <sup>15</sup>	22	38	24	36	26	34	27	33	12	18	11	19	13	17	17	13
AR <sup>14</sup>	91	9	91	9	88	11	91	9	31	4	31	4	31	4	31	4
CA <sup>14</sup>	47	33	44	36	46	33	47	32	25	15	23	15	24	15	26	11
CO <sup>14</sup>	18	47	25	40	26	39	27	38	11	24	10	25	11	24	12	23
CT <sup>15</sup>	66	85	92	59	88	63	89	62	12	24	25	11	23	13	20	16
DE <sup>14</sup>	19	22	19	22	18	23	17	24	13	8	13	8	13	8	15	6
FL <sup>14</sup>	77	43	75	45	73	47	74	46	32	8	25	15	23	17	23	17
GA <sup>15</sup>	154	26	153	27	144	36	145	35	47	9	46	10	45	11	45	11
HI <sup>14</sup>	40	11	40	10	45	8	45	6	21	4	20	5	22	3	22	3
ID <sup>15</sup>	17	67	20	64	20	64	28	56	14	28	16	26	19	23	21	21
IL <sup>14</sup>	67	51	67	51	67	51	72	46	31	28	31	28	31	28	31	28
IN <sup>14</sup>	39	61	48	52	50	50	52	48	20	30	19	30	24	26	24	26
IA <sup>14</sup>	60	40	58	42	61	39	55	45	29	21	30	20	30	20	28	22
KS <sup>14</sup>	49	76	51	74	58	67	63	62	16	24	16	24	18	22	18	22
KY <sup>14</sup>	74	26	71	29	72	28	68	32	28	10	29	9	30	8	27	11
LA <sup>13</sup>	91	14	87	15	86	17	84	17	38	1	34	5	34	5	33	6
ME <sup>13</sup>	85	66	86	65	97	54	97	54	24	11	20	15	20	15	22	13
MO <sup>13</sup>	124	17	124	17	125	16	117	24	41	6	40	7	40	7	38	9
MA <sup>15</sup>	126	34	127	33	128	32	121	38	32	8	32	8	32	8	26	14
MI <sup>14</sup>	57	53	64	46	61	49	61	49	18	19	18	20	18	20	18	20
MN <sup>14</sup>	65	69	83	51	80	53	80	54	42	24	47	20	44	23	46	21
MS <sup>13</sup>	116	6	113	9	112	9	102	19	49	3	45	7	44	8	44	8
MO <sup>14</sup>	108	55	111	52	104	58	97	65	21	13	21	13	22	12	23	11
MT <sup>14</sup>	50	50	49	51	52	48	61	39	28	22	25	25	23	27	29	21
NE <sup>14</sup>	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>15</sup> )	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )							
NV <sup>14</sup>	17	25	29	13	30	12	22	20	13	8	9	12	8	13	11	10
NH <sup>15</sup>	102	297	132	268	119	281	128	270	6	18	8	16	8	16	11	13
NJ <sup>14</sup>	30	50	39	41	44	36	43	37	23	17	24	16	22	17	22	17
NM <sup>14</sup>	42	28	47	23	45	25	49	21	21	21	21	21	26	16	26	16
NY <sup>15</sup>	94	56	92	56	92	58	95	55	26	35	25	36	27	34	26	35
NC <sup>15</sup>	82	38	84	36	74	46	81	39	38	12	40	10	37	13	36	14
ND <sup>14</sup>	42	64	45	61	45	61	48	58	24	29	27	26	32	21	27	26
OH <sup>14</sup>	58	40	60	39	59	40	61	38	15	18	15	18	14	19	12	21
OK <sup>14</sup>	69	32	70	31	68	32	69	32	34	14	30	17	33	15	37	11
OR <sup>14</sup>	34	26	31	29	32	28	28	32	18	12	17	13	19	11	20	10
PA <sup>14</sup>	103	100	103	100	104	99	107	96	23	23	27	23	26	23	27	26
RI <sup>15</sup>	77	21	80	20	83	17	89	11	38	12	38	12	41	9	45	5
SC <sup>14</sup>	96	27	92	32	87	37	80	41	36	10	36	10	35	11	34	11
SD <sup>15</sup>	13	57	22	48	24	46	24	46	10	25	11	24	15	20	17	16
TN <sup>14</sup>	62	37	61	38	59	40	56	43	23	10	23	10	22	11	20	13
TX <sup>14</sup>	98	52	94	56	93	57	92	56	25	6	25	6	23	8	22	8
UT <sup>14</sup>	14	61	27	48	28	47	31	44	6	23	8	21	7	22	10	19
VT <sup>15</sup>	72	78	74	75	74	76	73	75	18	12	19	11	16	14	16	14
VA <sup>14</sup>	65	33	64	35	59	39	59	39	31	8	30	10	30	10	30	10
WA <sup>14</sup>	53	45	61	37	63	35	58	40	27	22	25	24	25	24	25	24
WV <sup>14</sup>	73	27	78	22	81	19	74	26	30	4	27	7	29	5	33	1
WI <sup>14</sup>	52	47	54	45	56	43	58	41	19	14	20	11	20	13	19	14
WY <sup>14</sup>	18	46	20	44	23	41	22	42	11	19	11	19	11	19	10	20

<sup>1</sup> Status as of Jan. 1985, except for NJ and VA which are as of Jan. 1986 and reflect elections held in 1985. <sup>2</sup> Excludes one Independent for RI; two Independents for VA; five Independents for AL; one Libertarian for AK; and one vacancy each for AL, NH, OH, RI, and SC.

<sup>3</sup> Status as of Jan. 1, 1987, except for KY, LA, MS, NJ, and VA which are as of Jan. 1988 and reflect elections held in 1987. <sup>4</sup> Excludes one Independent each for VT and VA; two Liberals for NY; one vacancy each for HI and KY; and three vacancies for LA. <sup>5</sup> Status as of Jan. 1989, except for NJ and VA which are as of Jan. 1990. <sup>6</sup> Excludes one Independent for AR; two Independents for VA; one Independent Democrat for MS; one vacancy each for CA, MN, and OK; two vacancies for LA; and three vacancies for AL. <sup>7</sup> Excludes one Independent each for LA, MA, and SC; one Independent Democrat for MO; two Independents each for VT and VA; one vacancy each for CA and MO; two vacancies each for SC and TX; three vacancies for LA. <sup>8</sup> Excludes three Independents for AL, and one vacancy each for MI, MN, and VA. <sup>9</sup> Excludes one Independent for CA; one vacancy each for CA, IN, OK, and PA; and two vacancies for WI. <sup>10</sup> Excludes one Independent for CA; one vacancy each for GA and NJ. <sup>11</sup> Excludes one Independent for GA and one vacancy each for AL and NJ. <sup>12</sup> Excludes one Independent for CA; one vacancy each for NJ, SC, and TX; and two vacancies for CA.

<sup>13</sup> Members of both houses serve 4-year terms. <sup>14</sup> Upper House members serve 4-year terms and Lower House members serve 2-year terms. <sup>15</sup> Members of both houses serve 2-year terms. <sup>16</sup> Single chamber (unicameral body) of 49 members, elected without party designation.

Source: The Council of State Governments, Lexington, KY, 1984, *Book of the States*, biennial; beginning 1986, *State Elective Officials and the Legislatures*, biennial, (copyright).

# State Legislatures—Black Elected Officials

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## No. 431. Political Party Control of State Legislatures, by Party: 1961 to 1992

[As of beginning of year. Until 1972 there were two non-partisan legislatures in Minnesota and Nebraska. Since then only Nebraska has had a non-partisan legislature]

YEAR	LEGISLATURES UNDER—			YEAR	LEGISLATURES UNDER—			YEAR	LEGISLATURES UNDER—		
	Democratic control	Split control or tie	Republican control		Democratic control	Split control or tie	Republican control		Democratic control	Split control or tie	Republican control
1961 . . .	27	6	15	1973 . . .	27	6	16	1985 . . .	27	11	11
1963 . . .	25	7	16	1975 . . .	37	7	5	1987 . . .	28	12	9
1965 . . .	32	10	6	1977 . . .	36	8	5	1989 . . .	28	13	8
1967 . . .	24	8	16	1979 . . .	30	7	12	1990 . . .	29	11	9
1969 . . .	20	8	20	1981 . . .	28	6	15	1992 . . .	29	14	6
1971 . . .	23	9	16	1983 . . . <sup>1</sup>	34	4	11				

<sup>1</sup> Two 1984 mid-term recall elections resulted in a change in control of the Michigan State senate. At the time of the 1984 election, therefore, Democrats controlled 33 legislatures. <sup>2</sup> A party change during the year by a Democratic representative broke the tie in the Indiana House of Representatives, giving the Republicans control of both chambers.

Source: National Conference of State Legislatures, Denver, CO, *State Legislatures*, periodic.

## No. 432. Black Elected Officials, by Office, 1970 to 1991, and by Region and State, 1991

[As of January 1991, no Black elected officials had been identified in Hawaii, Idaho, Montana, or North Dakota]

REGION, DIVISION, AND STATE	Total	U.S. and State legisla- tures <sup>1</sup>	City and county offices <sup>2</sup>	Law enforce- ment <sup>3</sup>	Edupa- tion <sup>4</sup>	REGION, DIVISION, AND STATE	Total	U.S. and State legisla- tures <sup>1</sup>	City and county offices <sup>2</sup>	Law enforce- ment <sup>3</sup>	Edupa- tion <sup>4</sup>
1970 (Feb.) . . .	1,479	179	719	213	368	IA . . .	12	1	6	1	4
1975 (Apr.) . . .	3,522	289	1,885	387	951	MO . . .	175	18	120	15	22
1977 (July) . . .	4,342	316	2,509	451	1,066	SD . . .	2	-	2	-	-
1978 (July) . . .	4,544	316	2,616	458	1,154	NE . . .	4	1	1	-	2
1979 (July) . . .	4,636	315	2,675	491	1,155	KS . . .	20	4	7	2	7
1980 (July) . . .	4,963	326	2,871	534	1,232	South . . . <sup>5</sup>	5,037	262	3,377	474	924
1981 (July) . . .	5,109	343	2,914	559	1,293	S.A . . . <sup>5</sup>	2,086	143	1,486	131	326
1982 (July) . . .	5,241	342	3,017	573	1,309	DE . . .	26	3	14	3	6
1983 (July) . . .	5,719	386	3,283	620	1,430	MD . . .	132	32	71	23	6
1984 (Jan.) . . .	5,865	396	3,367	657	1,445	DC . . .	209	54	198	-	7
1985 (Jan.) . . .	6,312	407	3,689	685	1,531	VA . . .	151	11	127	13	-
1986 (Jan.) . . .	6,384	410	3,800	676	1,498	WV . . .	25	2	19	4	-
1987 (Jan.) . . .	6,646	428	3,949	727	1,542	NC . . .	443	19	324	24	76
1988 (Jan.) . . .	6,793	424	4,089	738	1,542	SC . . .	405	21	246	12	126
1989 (Jan.) . . .	7,191	441	4,388	760	1,602	GA . . .	511	37	360	26	88
1990 (Jan.) . . .	7,335	440	4,481	769	1,645	FL . . .	184	14	127	26	17
1991 (Jan.) . . .	7,445	476	4,493	847	1,629	E.S.C . . .	1,630	65	1,146	183	236
Northeast . . .	744	83	280	116	265	KY . . .	71	3	54	6	8
N.E. . .	115	29	62	2	22	TN . . .	163	14	100	25	24
ME . . .	1	-	1	-	-	AL . . .	706	24	530	68	84
NH . . .	2	2	-	-	-	MS . . .	690	24	462	84	120
VT . . .	2	2	-	-	-	W.S.C . . .	1,321	54	745	160	362
MA . . .	31	6	17	1	7	AR . . .	350	12	195	39	104
RI . . .	12	8	3	-	1	LA . . .	551	20	305	83	143
CT . . .	67	11	41	1	14	OK . . .	122	6	93	2	21
M.A. . .	629	54	219	114	243	TX . . .	298	16	152	36	94
NY . . .	277	26	51	66	134	West . . .	346	34	94	104	114
N.J. . .	213	9	120	-	84	Mt . . .	50	12	10	16	12
PA . . .	139	19	47	48	25	WY . . .	2	1	-	-	1
Midwest . . .	1,318	97	742	153	328	CO . . .	17	4	2	9	2
E.N.C. . .	1,092	72	604	128	288	NM . . .	4	-	1	2	1
OH . . .	214	14	126	29	45	AZ . . .	17	4	4	3	6
IN . . .	74	9	53	4	8	UT . . .	1	-	-	1	-
IL . . .	476	25	298	23	130	Pac . . .	296	22	84	88	102
MI . . .	305	18	117	68	102	WA . . .	20	2	8	6	4
WI . . .	23	8	10	4	3	OR . . .	14	3	6	4	1
W.N.C. . .	226	25	138	25	38	CA . . .	259	16	68	78	97
MN . . .	13	1	2	7	3	AK . . .	3	1	2	-	-

<sup>1</sup> Represents zero. <sup>2</sup> Includes elected State administrators. <sup>3</sup> County commissioners and councilmen, mayors, vice mayors, aldermen, regional officials, and other. <sup>4</sup> Judges, magistrates, constables, marshals, sheriffs, justices of the peace, and other. <sup>5</sup> Members of State education agencies, college boards, school boards, and other. <sup>6</sup> Includes two shadow senators and one shadow representative.

Source: Joint Center for Political Studies, Washington, DC, *Black Elected Officials: A National Roster*, annual, (copyright).

## Elections

**No. 433. Hispanic Public Officials, by Office, 1984 to 1991, and by State, 1991**

[For States not shown, no Hispanic public officials had been identified]

REGION, DIVISION, AND STATE	Total	State executives and legis- lators	County and mun pal offi- cials	Judicial and law enforce- ment	Educa- tion and school boards	REGION, DIVISION, AND STATE	Total	State executives and legis- lators	County and mun pal offi- cials	Judicial and law enforce- ment	Educa- tion and school boards
1984 (July) . . . . .	13,063	110	1,276	495	1,173	NE . . . . .	3	-	3	-	-
1985 (Sept.) . . . . .	13,147	119	1,316	517	1,185	KS . . . . .	6	4	1	-	1
1986 (Sept.) . . . . .	13,202	122	1,352	530	1,188	South . . . . .	1,2043	38	914	376	710
1987 (Sept.) . . . . .	13,317	127	1,412	568	1,199	S.A. . . . .	63	11	39	10	2
1988 (Sept.) . . . . .	13,360	124	1,425	574	1,226	DE . . . . .	1	-	1	-	-
1989 (Sept.) . . . . .	13,783	133	1,724	575	1,341	MD . . . . .	1	-	1	-	-
1990 (Sept.) . . . . .	14,004	134	1,819	583	1,458	SC . . . . .	1	-	1	-	-
1991 (Sept.) . . . . .	14,202	143	1,865	586	1,587	FL . . . . .	160	11	36	10	2
<b>Northeast</b>	<b>149</b>	<b>14</b>	<b>40</b>	<b>11</b>	<b>83</b>	<b>W.S.C.</b>	<b>1,980</b>	<b>27</b>	<b>875</b>	<b>366</b>	<b>708</b>
N.E. . . . .	22	5	9	-	8	AR . . . . .	1	-	-	-	1
MA. . . . .	4	1	-	-	3	LA. . . . .	8	-	-	-	8
RI. . . . .	1	1	-	-	-	OK . . . . .	2	-	1	-	1
CT. . . . .	17	3	9	-	5	TX . . . . .	1,969	27	874	358	706
M.A. . . . .	127	9	31	-	11	<b>West</b> . . . . .	<b>1,826</b>	<b>78</b>	<b>859</b>	<b>200</b>	<b>684</b>
NY. . . . .	76	7	9	10	49	MT . . . . .	1,184	69	638	147	328
N.J. . . . .	42	1	19	-	22	ID. . . . .	2	-	2	-	-
PA. . . . .	9	1	3	-	1	WY. . . . .	5	-	5	-	-
<b>Midwest</b>	<b>184</b>	<b>13</b>	<b>52</b>	<b>9</b>	<b>110</b>	CO. . . . .	213	10	145	9	49
E.N.C. . . . .	171	7	47	8	109	NM. . . . .	1,672	47	354	93	177
OH. . . . .	8	-	5	2	1	AZ. . . . .	283	11	128	43	100
IN. . . . .	9	1	6	1	-	UT. . . . .	3	-	3	-	-
IL. . . . .	139	3	30	3	103	NV. . . . .	4	1	1	1	1
MI. . . . .	12	-	6	2	4	<b>Pac</b> . . . . .	<b>1,642</b>	<b>9</b>	<b>221</b>	<b>53</b>	<b>356</b>
WI. . . . .	3	3	-	-	-	WA. . . . .	15	2	6	1	6
W.N.C. . . . .	13	6	5	1	1	OR. . . . .	8	-	5	2	1
MN. . . . .	3	2	-	-	-	CA. . . . .	1,617	7	208	50	349
MO. . . . .	1	-	1	-	-	AK. . . . .	2	-	2	-	-

- Represents zero. <sup>1</sup> Includes U.S. Representatives, not shown separately.Source: National Association of Latino Elected and Appointed Officials, Washington, DC, *National Roster of Hispanic Elected Officials*, annual.**No. 434. Women Holding State and Local Public Offices, by Office and State:  
1985 to 1992**

[For data on women in U.S. Congress, see table 426]

STATE	State-wide elective executive office, <sup>1</sup> 2 1992	State legisla- ture, 1992	County gov- erning boards, 1988	Mayors and municipal council members, 1985	STATE	State-wide elective executive office, <sup>1</sup> 2 1992	State legisla- ture, 1992	County gov- erning boards, 1988	Mayors and municipal council members, 1985
<b>United States</b> . . .	<b>60</b>	<b>1,375</b>	<b>1,853</b>	<b>14,672</b>	Missouri . . . . .	1	31	17	-
Alabama . . . . .	1	8	7	281	Montana . . . . .	2	31	18	110
Alaska . . . . .	-	14	17	233	Nebraska . . . . .	2	9	27	241
Arizona . . . . .	2	31	8	87	Nevada . . . . .	3	12	10	15
Arkansas . . . . .	2	10	71	365	New Hampshire . . . . .	-	131	8	113
California . . . . .	2	22	56	465	New Jersey . . . . .	-	15	15	451
Colorado . . . . .	3	31	18	315	New Mexico . . . . .	1	16	17	86
Connecticut . . . . .	2	43	(X)	240	New York . . . . .	-	27	131	797
Delaware . . . . .	1	8	2	57	North Carolina . . . . .	-	25	45	337
Distr. of Columbia . . . . .	(X)	(X)	(X)	-	North Dakota . . . . .	2	23	11	174
Florida . . . . .	1	30	51	311	Ohio . . . . .	1	20	25	1,129
Georgia . . . . .	-	34	28	251	Oklahoma . . . . .	3	13	5	312
Hawaii . . . . .	-	21	8	3	Oregon . . . . .	3	22	20	344
Idaho . . . . .	1	36	14	141	Pennsylvania . . . . .	2	24	35	-
Illinois . . . . .	1	33	152	-	Rhode Island . . . . .	1	25	(X)	30
Indiana . . . . .	2	26	10	-	South Carolina . . . . .	1	22	36	184
Iowa . . . . .	3	22	35	732	South Dakota . . . . .	2	26	16	149
Kansas . . . . .	2	45	24	445	Tennessee . . . . .	-	15	117	144
Kentucky . . . . .	-	8	17	-	Texas . . . . .	3	23	30	786
Louisiana . . . . .	2	10	32	183	Utah . . . . .	-	12	2	137
Maine . . . . .	-	60	3	243	Vermont . . . . .	-	56	(X)	87
Maryland . . . . .	-	44	21	133	Virginia . . . . .	1	17	49	211
Massachusetts . . . . .	-	37	5	217	Washington . . . . .	1	48	15	341
Michigan . . . . .	1	22	123	2,779	West Virginia . . . . .	-	28	11	202
Minnesota . . . . .	2	42	37	542	Wisconsin . . . . .	1	32	241	-
Mississippi . . . . .	-	12	8	178	Wyoming . . . . .	2	23	5	86

- Represents zero. X Not applicable. <sup>1</sup> As of April. <sup>2</sup> Excludes women elected to the judiciary, women appointed to State cabinet-level positions, women elected to executive posts by the legislature, and elected members of university Board of Trustees or board of education. <sup>3</sup> Includes one official who was appointed to an elective position.

Source: Center for the American Woman and Politics, Eagleton Institute of Politics, Rutgers University, New Brunswick, NJ, Information releases.

**No. 435. Voting-Age Population, Percent Reporting Registered, and Voted: 1976 to 1990**

[As of November. Covers civilian noninstitutional population 18 years old and over. Includes aliens. Figures are based on Current Population Survey (see text, section 1, and Appendix II) and differ from those in table 437 based on population estimates and official vote counts]

CHARACTERISTIC	VOTING-AGE POPULATION (mil.)										PERCENT REPORTING THEY REGISTERED										PERCENT REPORTING THEY VOTED							
	1976	1978	1980	1982	1984	1986	1988	1990	1976	1980	1984	1988	1990	1976	1980	1984	1988	1990	1976	1980	1984	1988	1990					
Total <sup>1</sup>	146.5	151.6	165.5	170.0	173.9	178.1	182.1	186.7	66.7	68.3	66.6	62.6	64.1	62.2	59.2	59.9	57.4	45.9	48.5	46.0	45.0	45.0	45.0	45.0	45.0	45.0		
18 to 20 years old	12.1	12.2	12.3	12.1	11.2	10.7	10.8	47.1	44.7	47.0	44.9	35.0	35.4	38.0	35.7	36.3	32.7	20.1	19.8	18.6	18.4	18.4	18.4	18.4	18.4	18.4	18.4	
21 to 24 years old	14.8	15.5	15.9	16.7	15.7	14.8	14.0	54.8	52.7	54.3	50.6	45.1	47.8	46.6	45.6	43.1	43.6	38.3	26.2	28.4	24.2	22.0	22.0	22.0	22.0	22.0	22.0	
25 to 34 years old	31.7	33.4	35.7	38.8	36.3	41.9	42.7	62.0	63.0	57.8	55.8	57.1	55.8	52.0	54.6	54.5	54.5	48.0	38.0	40.4	35.1	33.8	33.8	33.8	33.8	33.8	33.8	
35 to 44 years old	22.8	24.2	25.6	28.1	30.7	33.0	35.2	69.8	70.6	69.3	67.9	66.7	67.8	65.5	63.3	64.4	63.5	61.3	50.1	52.2	49.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4
45 to 54 years old	43.3	43.4	43.6	44.2	44.3	44.8	45.3	75.5	75.8	76.6	75.5	74.3	75.2	76.9	75.6	74.8	71.4	67.9	58.5	62.2	58.7	55.8	55.8	55.8	55.8	55.8	55.8	
65 years old and over	22.0	23.0	24.1	25.6	26.7	27.7	28.8	28.9	71.4	74.6	78.4	72.8	75.7	76.9	76.5	76.2	65.1	67.7	68.8	60.9	59.9	60.9	60.3	60.3	60.3	60.3	60.3	
Male	69.0	71.5	74.1	78.0	80.3	82.4	84.5	86.6	67.1	66.6	67.3	65.2	62.6	63.4	61.2	59.6	59.1	56.4	46.6	48.7	45.8	44.6	44.6	44.6	44.6	44.6	44.6	
Female	77.6	80.2	83.0	85.6	87.4	89.6	91.5	93.5	66.4	67.1	69.3	67.8	62.5	64.1	65.0	63.1	58.8	59.4	60.8	58.3	45.3	48.4	46.1	45.4	45.4	45.4	45.4	45.4
White	129.3	133.4	137.7	143.6	146.8	149.9	152.9	155.6	68.3	68.4	69.6	67.9	63.8	65.6	65.3	63.8	60.9	60.9	61.4	59.1	47.3	49.9	47.0	46.7	46.7	46.7	46.7	46.7
Black	14.9	15.6	16.4	17.6	18.4	19.0	19.7	20.4	58.5	60.0	66.3	64.5	57.1	59.1	64.0	58.8	48.7	50.5	55.8	51.5	37.2	43.0	43.2	39.2	39.2	39.2	39.2	39.2
Hispanic <sup>2</sup>	6.6	6.8	8.2	8.8	9.5	11.8	12.9	13.8	37.8	36.3	40.1	35.5	32.9	35.9	35.3	32.3	31.8	29.9	32.6	28.8	23.5	25.3	24.2	21.0	21.0	21.0	21.0	
Region <sup>3</sup>	33.9	35.1	36.4	36.9	37.3	37.9	38.1	38.5	64.8	66.6	64.8	66.6	62.3	62.5	62.0	61.0	59.5	58.5	57.4	48.1	49.8	44.4	45.2	45.2	45.2	45.2	45.2	
Northeast	39.2	40.3	41.5	41.9	42.1	42.8	43.3	43.9	72.3	73.8	74.6	72.5	68.2	65.1	65.8	65.7	62.9	50.5	54.7	49.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	
Midwest	47.1	48.8	50.6	55.4	57.6	59.2	60.7	62.4	64.6	64.8	65.9	66.6	60.1	61.7	61.3	54.9	55.6	55.6	55.6	55.6	41.8	43.0	42.4	42.4	42.4	42.4	42.4	
South	26.2	27.5	29.5	31.9	33.4	34.6	36.2	37.7	63.2	63.3	64.7	63.0	59.1	60.6	60.8	57.7	57.5	57.5	57.5	57.5	41.8	42.4	42.4	42.4	42.4	42.4	42.4	
West	35.1	36.4	36.9	37.3	37.9	38.1	38.5	39.1	64.8	64.8	64.8	64.8	62.3	62.3	62.0	61.0	59.5	58.5	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4		
School years completed:	24.9	23.6	22.7	22.4	20.6	19.6	19.1	17.7	54.4	53.0	53.4	47.5	53.2	52.3	50.5	44.0	44.1	42.6	42.9	36.7	34.6	35.7	32.7	27.7	27.7	27.7	27.7	
8 years or less	55.7	55.7	58.4	61.2	65.2	67.8	68.6	70.0	71.5	66.9	66.4	67.3	64.6	62.0	62.9	53.3	52.4	47.3	47.2	45.6	44.4	41.3	37.7	30.9	30.9	30.9	30.9	
High school	22.2	22.3	22.5	22.3	22.1	21.4	21.1	21.0	55.6	54.6	54.9	52.8	52.9	52.0	50.0	59.4	58.9	58.7	58.7	54.7	45.3	47.1	44.1	42.2	42.2	42.2	42.2	
4 years	1	1	1	1	1	1	1	1	66.9	66.4	67.3	64.6	64.6	62.0	62.9	60.0	59.4	58.9	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7		
College:	23.6	25.1	26.7	28.8	30.9	34.0	34.3	35.6	83.7	84.3	83.7	75.7	74.4	73.5	68.7	70.0	68.7	68.1	67.5	64.5	61.5	53.3	50.0	50.0	50.0	50.0		
1 to 3 years	20.2	22.2	24.0	26.9	28.6	31.3	33.6	35.6	83.1	83.1	83.1	76.9	79.4	77.8	77.3	79.8	79.9	79.1	77.6	63.9	66.5	62.5	62.5	62.5	62.5	62.5		
4 years or more	86.0	93.2	95.0	97.2	104.2	108.5	113.8	115.5	68.8	68.7	69.4	67.1	63.0	66.5	64.4	62.6	62.0	61.8	61.6	58.4	46.7	50.0	45.7	45.7	45.7	45.7		
Employed	6.4	4.9	6.9	10.8	7.4	6.6	5.8	6.7	52.1	50.3	54.3	44.1	48.8	50.6	44.6	43.7	41.2	44.0	44.6	38.6	34.1	31.2	27.9	27.9	27.9	27.9		
Unemployed	53.5	55.2	57.5	58.4	58.5	59.9	60.2	60.5	58.8	58.5	59.9	65.2	63.4	64.3	65.4	56.5	57.0	58.9	57.0	57.0	48.7	48.7	48.7	48.7	48.7			
Not in labor force	54.1	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5		

<sup>1</sup> Includes other races not shown separately.<sup>2</sup> Hispanic persons may be of any race.<sup>3</sup> For composition of regions, see table 25.Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 453; and earlier reports.

**No. 436. Political Party Identification of the Adult Population, by Degree of Attachment, 1960 to 1990, and by Selected Characteristics, 1990**

[In percent. Covers citizens of voting-age living in private housing units in the contiguous United States. Data are from the National Election Studies and are based on a sample and subject to sampling variability; for details, see source]

YEAR AND SELECTED CHARACTERISTIC	Total	Strong Democrat	Weak Democrat	Independent Democrat	Independent	Independent Republican	Weak Republican	Strong Republican	Apolitical
1960.....	100	20	25	6	10	7	14	16	3
1964.....	100	27	25	9	8	6	14	11	1
1968.....	100	20	25	10	11	9	15	10	1
1970.....	100	20	24	10	13	8	15	9	1
1972.....	100	15	26	11	13	10	13	10	1
1976.....	100	15	25	12	15	10	14	9	2
1980.....	100	18	23	11	13	12	14	9	1
1984.....	100	17	20	11	11	12	15	12	2
1986.....	100	18	22	10	12	11	15	10	2
1988.....	100	18	18	12	11	13	14	14	2
<b>1990, total<sup>1</sup></b> .....	<b>100</b>	<b>20</b>	<b>19</b>	<b>12</b>	<b>11</b>	<b>12</b>	<b>15</b>	<b>10</b>	<b>2</b>
Year of birth:									
1959 or later (Under 32 years old) .....	100	11	17	15	15	14	16	9	2
1943 to 1958 (32 to 47 years old) .....	100	20	22	14	10	10	15	8	2
1927 to 1942 (48 to 63 years old) .....	100	24	17	11	9	14	13	10	1
1911 to 1926 (64 to 79 years old) .....	100	30	22	7	6	10	13	13	1
1895 to 1910 (80 to 95 years old) .....	100	43	14	9	5	2	19	9	(Z)
Sex:									
Male .....	100	16	18	14	9	13	16	11	1
Female .....	100	22	20	11	12	11	14	9	2
Race:									
White .....	100	17	19	11	11	13	16	11	1
Black .....	100	40	23	16	8	7	3	2	2
Education:									
Grade school .....	100	37	17	9	13	6	7	4	5
High school .....	100	19	21	13	13	11	13	9	2
	100	17	17	12	7	15	19	12	(Z)

Z Less than 0.5 percent. <sup>1</sup> Includes other characteristics, not shown separately.

Source: Center for Political Studies, University of Michigan, Ann Arbor, MI, unpublished data. Data prior to 1988 published in Warren E. Miller and Santa A. Traugott, *American National Election Studies Data Sourcebook, 1952-1986*, Harvard University Press, Cambridge, MA, 1989, (copyright).

**No. 437. Participation In Elections for President and U.S. Representatives: 1932 to 1990**

[As of November. Estimated resident population 21 years old and over, 1932-70, except as noted, and 18 years old and over thereafter; includes Armed Forces. Prior to 1960, excludes Alaska and Hawaii. District of Columbia is included in votes cast for President beginning 1964 and in votes cast for Representative beginning 1972]

YEAR	Resident population (incl. aliens) of voting age <sup>1</sup> (1,000)	VOTES CAST			YEAR	Resident population (incl. aliens) of voting age <sup>1</sup> (1,000)	VOTES CAST		
		For President <sup>2</sup> (1,000)	Percent of voting-age population	For U.S. Representatives (1,000)			For President <sup>2</sup> (1,000)	Percent of voting-age population	For U.S. Representatives (1,000)
1932.....	75,768	39,758	52.5	37,657	49.7	1962.....	112,952	(X)	(X)
1934.....	77,997	(X)	32,256	41.4	1964.....	114,090	70,645	61.9	65,895
1936.....	80,174	45,654	56.9	42,866	53.5	1966.....	116,638	(X)	52,908
1938.....	82,354	(X)	(X)	36,236	44.0	1968.....	120,285	73,212	60.9
1940.....	84,728	49,900	58.9	46,951	55.4	1970.....	124,498	(X)	54,173
1942.....	86,465	(X)	(X)	28,074	32.5	1972.....	140,777	77,719	55.2
1944.....	85,654	47,977	56.0	45,103	52.7	1974.....	146,338	(X)	52,495
1946.....	92,659	(X)	(X)	34,398	37.	1976.....	152,308	81,556	53.5
1948.....	95,573	48,794	51.1	45,933	48.1	1978.....	158,369	(X)	55,332
1950.....	98,134	(X)	(X)	40,342	41.1	1980.....	164,595	86,515	52.6
1952.....	99,929	61,551	61.6	57,571	57.6	1982.....	169,936	(X)	64,514
1954.....	102,075	(X)	(X)	42,580	41.7	1984.....	174,468	92,653	53.1
1956.....	104,515	62,027	59.3	58,428	55.9	1986.....	178,566	(X)	59,619
1958.....	106,447	(X)	(X)	45,818	43.0	1988.....	182,779	91,595	50.1
1960.....	109,672	68,838	62.8	64,133	58.5	1990.....	185,812	(X)	61,513

X Not applicable. <sup>1</sup> Population 18 and over in Georgia, 1944-70, and in Kentucky, 1956-70; 19 and over in Alaska and 20 and over in Hawaii, 1960-70. <sup>2</sup> Source: 1932-58, U.S. Congress, Clerk of the House, *Statistics of the Presidential and Congressional Election*, biennial.

Source: Except as noted, U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 1085; and Elections Research Center, Chevy Chase, MD, *America Votes*, biennial, (copyright).

**No. 438. Voter Registration—Registered Voters, 1984 to 1990, and Registration Deadlines and Residency Requirements, 1990**

[Registration figures are based on final and official registration statistics provided by Secretaries of State and State Registrars. The accuracy of registration figures varies according to the stringency of purges conducted in each State and locality. There is, therefore, some inflation in these figures, although the trends between years are likely to be accurate]

STATE	1984		1988				1990				Votes cast	
	Regis- tered voters (1,000)	Per- cent regis- tered of voting age popu- lation	Regis- tered voters (1,000)	Per- cent regis- tered of voting age popu- lation	Regis- tration dead- line (days)	Resi- dency re- quire- ment <sup>2</sup> (days)	Registered voters		Percent of total registered		Num- ber (1,000)	Per- cent of regis- tered voters
							Total <sup>3</sup>	Number (1,000)	Per- cent of vot- ing age popu- lation	Democ- rats		
U.S. . . .	4126,997	473	4129,800	471	(X)	(X)	4121,273	467	(NA)	(NA)	66,237	56
AL. . . .	2,343	81	2,380	79	10	(5)	2,375	78	(NA)	(NA)	1,216	51
AK. . . .	305	88	294	76	30	30	300	82	19	21	195	65
AZ. . . .	1,463	65	1,798	69	29	50	1,860	69	42	47	1,055	57
AR. . . .	1,268	74	1,203	68	20	(5)	1,219	68	(NA)	(NA)	696	57
CA. . . .	13,074	69	14,005	67	29	29	13,478	62	50	39	7,699	57
CO. . . .	1,621	69	2,030	82	25	32	1,922	78	34	31	1,022	53
CT. . . .	1,806	75	1,784	72	21	(5)	1,703	68	39	27	1,141	67
DE. . . .	314	69	318	65	(7)	(5)	299	58	43	38	180	60
DC. . . .	275	56	300	61	30	(5)	308	65	78	9	169	55
FL. . . .	5,574	65	6,047	63	30	(5)	6,031	59	52	41	3,531	59
GA. . . .	2,732	65	2,941	63	30	(5)	2,773	57	(NA)	(NA)	1,450	52
HI. . . .	419	55	444	54	30	(5)	453	53	(NA)	(NA)	350	77
ID. . . .	582	85	572	82	10	30	540	76	(NA)	(NA)	321	59
IL. . . .	6,470	77	6,357	74	28	30	6,032	69	(NA)	(NA)	3,257	54
IN. . . .	3,054	76	2,866	71	29	30	2,765	66	(NA)	(NA)	1,513	55
IA. . . .	1,729	82	1,690	82	10	(5)	1,580	75	38	31	984	62
KS. . . .	1,291	72	1,266	69	15	(5)	1,205	65	30	44	786	65
KY. . . .	2,023	75	2,026	74	30	30	1,854	67	67	30	916	49
LA. . . .	2,262	72	2,228	70	24	(5)	2,169	70	74	18	1,391	64
ME. . . .	811	95	855	96	(6)	(5)	872	94	(NA)	(NA)	522	60
MD. . . .	2,253	69	2,310	66	29	(5)	2,135	59	63	29	1,111	52
MA. . . .	3,254	73	3,275	72	28	(5)	3,214	70	42	14	2,343	73
MI. . . .	5,889	89	5,953	88	30	30	5,892	86	(NA)	(NA)	2,565	44
MN. . . .	2,893	95	2,917	92	(5)	20	2,871	88	(NA)	(NA)	1,808	63
MS. . . .	1,670	93	1,596	86	30	30	1,593	85	(NA)	(NA)	369	23
MO. . . .	2,969	80	2,942	77	20	(5)	2,748	71	(NA)	(NA)	1,353	49
MT. . . .	527	90	506	86	30	30	436	75	(NA)	(NA)	319	73
NE. . . .	903	77	899	77	(5)	(5)	891	75	42	50	594	67
NV. . . .	356	52	445	57	30	30	516	60	45	43	321	62
NH. . . .	544	74	650	79	10	10	659	77	29	39	295	45
NJ. . . .	4,073	71	4,011	68	29	30	3,718	62	(NA)	(NA)	1,938	52
NM. . . .	651	65	675	61	28	(5)	658	60	59	35	411	62
NY. . . .	9,044	68	8,612	64	30	30	8,202	60	(NA)	(NA)	4,057	49
NC. . . .	3,271	71	3,432	70	10 <sup>21</sup>	30	3,348	66	64	31	2,071	62
ND. . . .	(1)	(1)	(1)	(1)	(1)	(1)	30	(1)	(1)	(1)	(NA)	(X)
OH. . . .	6,358	81	6,323	79	29	30	5,834	72	(NA)	(NA)	3,478	60
OK. . . .	1,950	81	2,199	92	10	(5)	2,011	86	65	33	911	45
OR. . . .	1,609	81	1,524	74	21	20	1,477	69	39	47	1,113	75
PA. . . .	6,194	69	5,876	65	30	30	5,659	61	51	44	3,053	54
RI. . . .	542	74	549	72	30	30	537	70	(NA)	(NA)	364	68
SC. . . .	1,396	58	1,438	57	30	30	1,355	52	(NA)	(NA)	761	56
SD. . . .	443	88	440	87	15	(5)	420	81	43	49	259	62
TN. . . .	2,580	74	2,417	66	29	20	2,460	65	(NA)	(NA)	772	31
TX. . . .	7,900	69	8,202	67	30	30	7,701	63	(NA)	(NA)	3,893	51
UT. . . .	840	82	807	75	20	30	781	72	(NA)	(NA)	442	57
VT. . . .	322	82	348	85	17	(5)	350	82	(NA)	(NA)	211	60
VA. . . .	2,552	60	2,877	63	31	(5)	2,738	58	(NA)	(NA)	1,153	42
WA. . . .	2,458	76	2,499	73	30	30	2,225	62	(NA)	(NA)	1,313	59
WV. . . .	1,025	72	969	69	30	30	885	64	66	31	404	46
WI. . . .	(12)	(12)	(12)	(12)	(12)	(12)	10	(12)	(12)	(12)	(NA)	(X)
WY. . . .	240	68	226	64	30	(5)	222	68	35	57	160	72

NA Not available. X Not applicable. <sup>1</sup> Number of days prior to a general election by which a prospective voter must register with State or local election officials. <sup>2</sup> Number of days a prospective voter must reside in a State to vote in a general election. Includes voters registered with other parties and with no party (Independents), not shown separately. <sup>3</sup> Estimate based on actual registration statistics from the States which keep registration records. Percentages are the actual percentages of the voting age population who registered in the States, for which actual registration figures are available. The estimates are derived from applying that percentage to the national voting age population figure. <sup>5</sup> No residency requirements. <sup>6</sup> No durational requirement. To varying degrees, States without durational residency requirements may call for proof of residency or sworn certification of resident status; enforcement of such residency certification often left to discretion of local registration officials.

<sup>7</sup> Third Saturday in October. <sup>8</sup> Election day. <sup>9</sup> Second Friday before election day. <sup>10</sup> Business days. <sup>11</sup> North Dakota does not require registration. <sup>12</sup> Wisconsin does not keep statewide registration statistics.

Source: Committee for the Study of the American Electorate, Washington, DC, *Non-Voter Study, '84-'85, '88-'89, and '90-'91*.

**No. 439. Resident Population of Voting Age and Percent Casting Votes—States: 1984 to 1990, and Projections, 1992**

[As of November. Estimated population, 18 years old and over. Includes Armed Forces stationed in each State, aliens, and institutional population]

REGION, DIVISION, AND STATE	VOTING-AGE POPULATION								PERCENT CASTING VOTES FOR—					
					1992, proj.			Presidential electors		U.S. Representatives				
	1984 (1,000)	1986 (1,000)	1988 (1,000)	1990 (1,000)	Total (1,000)	Percent Black	Per- cent female	1984	1988	1984	1986	1988	1990	
U.S. ....	174,468	178,566	182,779	185,812	189,044	11.4	52.0	53.1	50.1	47.7	33.4	44.7	33.1	
Northeast ....	37,582	38,064	36,590	36,838	36,824	10.9	52.8	54.5	51.4	51.0	32.6	46.1	32.9	
N.E. ....	9,567	9,748	9,950	10,137	10,143	4.6	52.5	58.7	57.6	55.5	37.4	53.5	43.9	
ME	855	875	908	924	944	0.3	52.2	64.7	61.1	63.4	48.2	61.1	56.0	
NH	732	775	817	835	852	0.6	51.3	53.1	55.2	51.0	31.1	52.5	34.8	
VT	392	403	420	422	429	0.2	52.0	59.9	57.9	57.7	46.9	57.1	49.7	
MA	4,447	4,502	4,565	4,646	4,607	4.9	53.0	57.5	57.7	52.8	33.4	51.9	44.1	
RI	735	751	765	776	776	3.7	53.1	55.8	52.9	53.1	40.7	51.1	44.7	
CT	2,405	2,442	2,476	2,534	2,535	7.8	52.3	61.0	58.3	59.5	40.1	54.2	40.9	
M.A. ....	28,015	28,315	28,640	28,701	28,681	13.1	52.9	53.1	49.3	49.5	31.0	43.6	29.1	
NY	13,331	13,447	13,574	13,683	13,609	16.1	53.0	51.1	47.8	46.6	29.0	40.6	26.8	
N.J.	5,695	5,811	5,894	5,927	5,943	13.1	52.5	56.5	52.6	52.5	26.7	47.1	30.8	
PA	8,989	9,057	9,171	9,091	9,129	8.7	53.1	53.9	49.5	51.8	36.5	45.8	31.4	
Midwest ....	43,240	43,704	44,403	44,160	44,656	9.0	52.3	58.8	55.5	55.9	38.9	53.0	39.6	
E.N.C. ....	30,373	30,723	31,204	31,133	31,482	10.8	52.4	58.0	54.4	54.7	36.9	51.6	37.6	
OH	8,785	7,946	8,059	8,066	8,146	10.0	52.8	57.8	54.5	55.0	38.6	51.6	42.4	
IN	3,995	4,040	4,111	4,105	4,176	7.3	52.4	55.9	52.8	54.6	38.5	51.6	36.9	
IL	8,448	8,517	8,636	8,495	8,568	13.9	52.2	57.0	52.8	54.2	35.4	50.3	36.2	
MI	6,568	6,699	6,805	6,851	6,923	13.2	52.3	57.9	53.9	52.6	34.7	50.8	35.5	
WI	3,487	3,522	3,593	3,616	3,669	4.3	51.8	63.4	61.0	59.5	39.3	56.6	34.7	
W.N.C. ....	12,867	12,981	13,199	13,027	13,174	4.7	52.1	60.8	58.2	58.7	43.4	56.3	44.4	
MN	3,057	3,115	3,201	3,222	3,278	1.9	51.7	68.2	65.5	64.6	44.7	61.5	55.3	
IA	2,125	2,105	2,125	2,061	2,075	1.5	52.5	62.1	57.7	59.7	42.3	56.0	38.4	
MO	3,709	3,772	3,840	3,813	3,858	9.8	52.8	57.2	54.5	55.0	37.9	53.9	35.5	
ND	494	488	484	462	459	0.4	50.7	62.6	61.4	62.6	58.6	62.0	50.6	
SD	509	511	518	496	502	0.2	51.6	62.5	60.4	62.1	56.8	60.2	51.7	
NE	1,174	1,171	1,183	1,152	1,167	3.3	52.2	55.5	55.9	56.4	47.4	55.5	50.9	
KS	1,800	1,818	1,848	1,819	1,836	5.4	51.7	56.8	53.7	55.2	43.3	50.4	42.9	
South ....	59,257	61,004	62,470	63,821	65,411	17.1	52.3	48.7	45.7	38.7	27.0	36.8	26.9	
S.A. ....	29,710	30,896	32,069	33,312	34,320	18.8	52.4	47.5	44.4	38.7	26.8	37.8	28.2	
DE	459	477	498	507	525	16.4	52.4	55.6	50.2	52.9	33.8	47.2	35.0	
MD	3,259	3,372	3,498	3,640	3,719	24.4	52.4	51.4	49.0	45.9	31.5	44.6	30.0	
DC	490	486	472	481	459	64.3	54.5	43.1	40.9	33.1	26.1	36.2	33.2	
VA	4,234	4,392	4,568	4,716	4,842	17.8	51.7	50.7	48.0	43.4	23.7	41.4	24.4	
WV	1,424	1,412	1,398	1,349	1,350	2.9	53.0	51.7	46.7	49.4	28.0	40.7	27.8	
NC	4,586	4,731	4,880	5,061	5,217	20.2	52.4	47.4	43.7	47.1	33.2	40.7	39.7	
SC	2,382	2,458	2,531	2,587	2,672	27.1	52.4	40.7	39.0	39.0	29.2	39.2	25.9	
GA	4,224	4,421	4,593	4,791	4,950	24.9	52.4	42.0	39.4	36.0	24.0	36.4	29.1	
FL	8,651	9,146	9,632	10,180	10,586	11.8	52.4	48.3	44.7	28.2	23.4	31.6	23.4	
E.S.C. ....	10,879	11,085	11,254	11,252	11,479	17.7	52.9	50.2	46.8	41.6	30.5	41.0	25.5	
KY	2,695	2,720	2,752	2,740	2,779	6.7	52.5	50.8	48.1	44.1	23.2	40.2	27.9	
TN	3,489	3,569	3,660	3,685	3,783	14.6	52.8	49.1	44.7	37.7	31.0	38.5	19.5	
AL	2,892	2,947	2,987	2,905	3,056	22.9	53.1	49.9	46.0	39.7	37.9	39.3	34.0	
MS	1,803	1,827	1,845	1,832	1,861	32.0	53.3	52.2	50.5	48.2	28.7	49.8	20.1	
W.S.C. ....	18,668	19,044	19,148	19,257	19,612	13.7	51.8	49.5	47.3	36.9	25.2	32.6	25.5	
AR	1,707	1,732	1,750	1,737	1,768	13.7	52.8	51.8	47.3	12.7	38.5	13.6	38.3	
LA	3,131	3,153	3,112	2,988	2,992	28.5	52.8	54.5	52.3	20.5	24.2	26.6	23.5	
OK	2,410	2,396	2,366	2,310	2,328	6.7	52.1	49.5	46.1	10.3	32.4	37.1		
TX	11,420	11,764	11,919	12,222	12,524	11.5	51.3	47.3	45.5	41.0	25.6	39.2	26.8	
West ....	34,389	35,795	37,316	38,993	40,153	5.3	50.8	52.0	49.6	49.4	38.5	46.8	36.0	
Mt	8,920	9,260	9,548	9,856	10,157	2.6	50.9	53.1	52.5	50.8	40.5	50.2	39.3	
MT	591	587	586	579	586	0.2	51.2	65.0	62.4	62.8	54.2	62.3	54.8	
ID	687	693	703	707	740	0.4	50.8	58.8	58.2	59.0	54.3	57.9	44.5	
WY	355	349	339	319	322	0.6	50.0	53.2	52.1	53.0	45.8	52.5	49.5	
CO	2,360	2,407	2,440	2,447	2,501	3.9	50.9	55.1	56.2	53.1	42.3	53.9	40.9	
NM	1,001	1,041	1,065	1,075	1,104	1.8	51.6	51.3	48.9	50.0	37.1	42.2	33.4	
AZ	2,226	2,400	2,543	2,696	2,749	2.8	51.2	46.1	42.4	33.5	44.2	35.8		
UT	1,021	1,048	1,067	1,104	1,142	0.7	51.3	61.7	60.6	58.9	40.9	57.1	40.1	
NV	688	734	804	929	1,013	5.9	49.1	41.7	43.5	39.4	35.0	42.8	33.7	
Pac ....	25,489	26,536	27,768	29,137	29,996	6.2	50.4	51.7	48.6	48.9	37.8	45.6	35.0	
WA	3,226	3,329	3,491	3,650	3,818	2.8	50.9	58.4	53.4	56.0	38.9	49.6	36.0	
OR	1,984	2,022	2,096	2,140	2,226	1.5	51.5	61.8	57.3	60.6	51.0	48.9	49.2	
CA	19,152	20,043	21,006	22,124	22,668	7.4	50.3	49.6	47.1	46.8	35.9	44.7	32.9	
AK	350	358	359	382	395	3.8	47.6	58.4	55.7	58.9	50.3	53.8	50.2	
HI	757	784	815	841	889	2.1	49.9	44.4	43.5	36.5	42.2	41.7	40.5	

<sup>1</sup> State law does not require tabulation of votes for unopposed candidates. <sup>2</sup> See footnote 8, table 419.

Source: Compiled by U.S. Bureau of the Census. Population data from U.S. Bureau of the Census, *Current Population Reports*, series F-25, No. 1085; votes cast from Elections Research Center, Chevy Chase, MD, *America Votes*, biennial (copyright).

**No. 440. Political Party Financial Activity, by Major Political Party: 1981 to 1990**

[In millions of dollars. Covers financial activity during 2-year calendar period indicated. Some political party financial activities, such as building funds and state and local election spending, are not reported to the source. Also excludes contributions earmarked to federal candidates through the party organizations, since some of those funds never passed through the committees' accounts]

YEAR AND TYPE OF COMMITTEE	DEMOCRATIC				REPUBLICAN			
	Receipts, net <sup>1</sup>	Disbursements, net <sup>1</sup>	Contributions to candidates	Monies spent on behalf of party's nominees <sup>2</sup>	Receipts, net <sup>1</sup>	Disbursements, net <sup>1</sup>	Contributions to candidates	Monies spent on behalf of party's nominees <sup>2</sup>
1981-82 . . . . .	39.3	40.1	1.7	3.3	215.0	214.0	5.6	14.3
1983-84 . . . . .	98.5	97.4	2.6	9.0	297.9	300.8	4.9	20.1
1985-86, total . . . . .	64.8	65.9	1.7	9.0	255.2	258.9	3.4	14.3
National committee . . . . .	17.2	17.4	(Z)	0.3	83.8	86.7	0.4	(Z)
Senatorial committee . . . . .	13.4	13.5	0.6	6.1	84.4	83.7	0.6	10.0
Congressional committee . . . . .	12.3	12.6	0.6	1.5	39.8	40.8	1.7	4.1
Conventions, other national . . . . .	7.9	8.1	(Z)	-	0.2	0.2	-	-
State and local . . . . .	14.0	14.3	0.5	1.0	47.0	47.4	0.8	0.3
1987-88, total . . . . .	135.2	129.1	1.8	17.9	267.1	261.0	3.4	22.7
National committee . . . . .	52.3	47.0	0.1	8.1	91.0	89.9	0.3	8.3
Senatorial committee . . . . .	16.3	16.3	0.4	6.2	65.9	63.3	0.8	10.2
Congressional committee . . . . .	12.5	12.5	0.7	2.4	34.7	33.7	1.6	4.1
Conventions, other national . . . . .	19.2	19.2	-	-	9.6	9.6	-	-
State and local . . . . .	35.0	34.1	0.6	1.2	65.9	64.5	0.7	0.1
1989-90, total . . . . .	85.8	90.9	1.5	8.7	206.3	213.5	2.9	10.7
National committee . . . . .	14.5	18.5	0.1	0.1	68.7	70.4	0.3	0.1
Senatorial committee . . . . .	17.5	17.6	0.4	4.5	65.1	67.6	0.7	7.7
Congressional committee . . . . .	9.1	9.1	0.4	2.9	33.2	34.4	0.9	2.8
Conventions, other national . . . . .	8.8	9.2	-	-	-	-	-	-
State and local . . . . .	35.8	36.4	0.5	1.2	39.3	41.1	1.0	0.2

- Represents zero. Z Less than \$50,000. <sup>1</sup> Excludes monies transferred between affiliated committees. <sup>2</sup> Monies spent in the general election.

Source: U.S. Federal Election Commission, *FEC Reports on Financial Activity, Final Report, Party and Non-Party Political Committees*, biennial.

**No. 441. Independent Expenditures for Presidential and Congressional Campaigns: 1981 to 1990**

[In thousands of dollars. Covers campaign finance activity during 2-year calendar period indicated. An "independent expenditure" is money spent to support or defeat a clearly identified candidate. According to Federal election law, such an expenditure must be made without cooperation or consultation with the candidate or his/her campaign. Independent expenditures are not limited as are contributions]

TYPE OF OFFICE AND YEAR	ALL PARTIES		DEMOCRATS		REPUBLICANS		OTHERS		
	Total	For	Against	For	Against	For	Against	For	Against
TOTAL									
1981-82 . . . . .	7,282	2,135	5,147	1,252	4,597	883	550	-	-
1983-84 . . . . .	23,420	19,951	3,468	1,693	1,016	18,257	2,453	1	-
1985-86 . . . . .	10,205	8,832	1,373	3,450	888	5,376	485	6	-
1987-88 . . . . .	21,341	16,654	4,687	2,865	4,248	13,784	439	6	-
1989-90 . . . . .	5,774	4,177	1,597	1,530	735	2,645	862	2	-
PRESIDENTIAL									
1981-82 . . . . .	185	184	1	92	1	92	-	-	-
1983-84 . . . . .	17,468	16,638	831	806	487	15,830	344	1	-
1985-86 . . . . .	841	795	45	76	28	719	17	-	-
1987-88 . . . . .	14,127	10,628	3,499	568	3,352	10,054	146	6	-
1989-90 . . . . .	497	322	174	5	169	318	5	-	-
SENATE									
1981-82 . . . . .	4,875	724	4,150	426	3,667	298	484	-	-
1983-84 . . . . .	4,627	2,134	2,493	326	410	1,808	2,082	-	-
1985-86 . . . . .	5,312	4,331	980	988	632	3,343	348	-	-
1987-88 . . . . .	4,401	3,641	761	831	617	2,810	143	(Z)	-
1989-90 . . . . .	3,506	2,362	1,144	756	428	1,604	716	2	-
HOUSE OF REPRESENTATIVES									
1981-82 . . . . .	2,221	1,226	995	734	929	492	66	-	-
1983-84 . . . . .	1,325	1,180	145	561	118	619	27	-	-
1985-86 . . . . .	4,053	3,706	347	2,386	227	1,314	120	6	-
1987-88 . . . . .	2,813	2,385	427	1,486	279	920	149	(Z)	-
1989-90 . . . . .	1,772	1,493	279	770	138	723	141	-	-

- Represents zero. Z Less than \$500.

Source: U.S. Federal Election Commission, *FEC Index of Independent Expenditures, 1987-88*, May 1989 and press release of May 19, 1989, and unpublished data.

**No. 442. Political Action Committees—Number, by Committee Type: 1980 to 1991**

[As of December 31]

COMMITTEE TYPE	1980	1985	1986	1987	1988	1989	1990	1991
<b>Total</b> . . . . .	<b>2,551</b>	<b>3,992</b>	<b>4,157</b>	<b>4,165</b>	<b>4,268</b>	<b>4,178</b>	<b>4,172</b>	<b>4,094</b>
Corporate . . . . .	1,206	1,710	1,744	1,775	1,816	1,796	1,795	1,738
Labor . . . . .	297	388	384	364	354	349	346	338
Trade/membership/health . . . . .	576	695	745	865	786	777	774	742
Non-connected . . . . .	374	1,003	1,077	957	1,115	1,080	1,062	1,083
Cooperative . . . . .	42	54	56	59	59	59	59	57
Corporation without stock . . . . .	56	142	151	145	138	137	136	136

Source: U.S. Federal Election Commission, press release of January 20, 1992.

**No. 443. Political Action Committees—Financial Activity Summary by Committee Type: 1985 to 1990**

[In millions of dollars. Covers financial activity during 2-year calendar period indicated. Data have not been adjusted for transfers between affiliated committees]

COMMITTEE TYPE	RECEIPTS			DISBURSEMENTS <sup>1</sup>			CONTRIBUTIONS TO CANDIDATES		
	1985-86	1987-88	1989-90	1985-86	1987-88	1989-90	1985-86	1987-88	1989-90
<b>Total</b> . . . . .	<b>353.4</b>	<b>384.6</b>	<b>372.1</b>	<b>340.0</b>	<b>364.2</b>	<b>357.6</b>	<b>139.8</b>	<b>159.2</b>	<b>159.1</b>
Corporate . . . . .	82.0	96.9	106.5	79.3	89.8	101.1	49.6	56.2	58.1
Labor . . . . .	65.3	78.5	88.9	57.9	74.1	84.6	31.0	35.5	34.7
Trade/membership/health . . . . .	75.4	89.5	92.5	73.3	83.7	88.1	34.6	41.2	44.8
Non-connected . . . . .	118.6	106.3	71.6	118.4	104.9	71.4	19.4	20.3	15.1
Cooperative . . . . .	4.7	4.9	5.0	4.7	4.5	4.8	2.7	2.7	2.9
Corporation without stock . . . . .	7.4	8.5	7.6	6.4	7.2	7.7	2.6	3.3	3.4

<sup>1</sup> Comprises contributions to candidates, independent expenditures, and other disbursements.Source: U.S. Federal Election Commission, *FEC Reports on Financial Activity, Final Report, Party and Non-Party Political Committees*, biennial.**No. 444. Presidential Campaign Finances—Federal Funds for General Election: 1980 to 1988**

[In millions of dollars. Based on FEC certifications, audit reports, and Dept. of Treasury reports]

1980		1984		1988	
Candidate	Amount	Candidate	Amount	Candidate	Amount
<b>Total</b> . . . . .	<b>62.7</b>	<b>Total</b> . . . . .	<b>80.3</b>	<b>Total</b> . . . . .	<b>92.2</b>
Anderson . . . . .	4.2	Mondale . . . . .	40.2	Bush . . . . .	46.1
Carter . . . . .	29.4	Reagan . . . . .	40.1	Dukakis . . . . .	46.1
Reagan . . . . .	29.2				

<sup>1</sup> John Anderson, as the candidate of a new party, was permitted to raise funds privately. Total receipts for the Anderson campaign, including Federal funds, were \$17.6 million, and total expenditures were \$15.6 million.

Source: U.S. Federal Election Commission, press releases of November 15, 1981, June 4, 1986, and April 9, 1989.

**No. 445. Presidential Campaign Finances—Primary Campaign Receipts and Disbursements: 1979 to 1988**

[In millions of dollars. Covers campaign finance activity during 2-year calendar period indicated. Covers candidates who received Federal matching funds or who had significant financial activity]

ITEM	TOTAL			DEMOCRATIC			REPUBLICAN		
	1979-80	1983-84	1987-88 <sup>2</sup>	1979-80	1983-84	1987-88	1979-80	1983-84	1987-88
<b>Receipts, total<sup>3</sup></b> . . . . .	<b>94.2</b>	<b>105.0</b>	<b>213.8</b>	<b>35.6</b>	<b>77.5</b>	<b>91.9</b>	<b>58.5</b>	<b>27.1</b>	<b>116.0</b>
Individual contributions . . . . .	61.0	62.8	141.1	23.9	46.2	59.4	37.1	16.4	76.8
Federal matching funds . . . . .	30.9	34.9	65.7	10.3	24.6	30.1	20.5	10.1	34.7
<b>Disbursements</b> . . . . .	<b>92.3</b>	<b>103.6</b>	<b>210.7</b>	<b>35.6</b>	<b>77.4</b>	<b>90.2</b>	<b>56.7</b>	<b>25.9</b>	<b>114.6</b>

<sup>1</sup> Includes Citizens Party candidate, not shown separately. <sup>2</sup> Includes a minor party candidate who sought several party nominations and a Democratic candidate who did not receive Federal matching funds, but who had significant financial activity.<sup>3</sup> Includes other types of receipts, not shown separately.Source: U.S. Federal Election Commission, *FEC Reports on Financial Activity, Final Report, Presidential Pre-Nomination Campaigns*, quadrennial.

**No. 446. Congressional Campaign Finances—Receipts and Disbursements: 1985 to 1990**

[Covers all campaign finance activity during 2-year calendar period indicated for primary, general, run-off, and special elections. For 1985-86 relates to 1,611 House of Representatives candidates and 262 Senate candidates; for 1987-88 to 1,582 House of Representatives candidates and 210 Senate candidates; for 1989-90 to 1,580 House of Representatives candidates and 179 Senate candidates. Data have been adjusted to eliminate transfers between all committees within a campaign. For further information on legal limits of contributions, see Federal Election Campaign Act of 1971, as amended]

ITEM	HOUSE OF REPRESENTATIVES						SENATE					
	Amount (mil. dol.)			Percent distribution			Amount (mil. dol.)			Percent distribution		
	1985-86	1987-88	1989-90	1985-86	1987-88	1989-90	1985-86	1987-88	1989-90	1985-86	1987-88	1989-90
<b>Total receipts<sup>1</sup></b> . . . . .	<b>257.7</b>	<b>278.3</b>	<b>285.4</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>214.4</b>	<b>199.3</b>	<b>186.3</b>	<b>100</b>	<b>100</b>	<b>100</b>
Individual contributions . . . . .	127.6	129.9	129.9	50	47	46	140.1	128.1	119.6	65	64	64
Other committees . . . . .	87.4	102.2	108.5	34	37	38	45.3	45.7	41.2	21	23	22
Candidate loans . . . . .	20.9	23.2	20.9	8	8	7	6.2	8.2	10.0	3	4	5
Candidate contributions . . . . .	4.8	4.9	4.8	2	2	1	1.9	6.8	2.4	1	3	1
Democrats . . . . .	139.9	160.3	163.4	54	58	57	91.8	107.7	89.5	43	54	48
Republicans . . . . .	117.7	117.0	120.9	46	42	42	122.5	91.3	96.8	57	46	52
Others . . . . .	0.1	1.0	1.1	(Z)	(Z)	(Z)	0.1	0.3	(Z)	(Z)	(Z)	(Z)
Incumbents . . . . .	149.7	175.6	181.9	58	63	64	90.3	98.3	118.7	42	49	64
Challengers . . . . .	49.2	52.5	47.7	19	19	17	67.2	56.3	54.8	31	28	29
Open seats <sup>2</sup> . . . . .	58.8	50.2	55.9	23	18	20	56.9	44.7	12.8	27	22	7
<b>Total disbursements</b> . . . . .	<b>239.3</b>	<b>257.6</b>	<b>265.8</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>211.6</b>	<b>201.4</b>	<b>180.4</b>	<b>100</b>	<b>100</b>	<b>100</b>
Democrats . . . . .	128.7	145.6	151.0	54	57	57	89.0	107.9	87.6	42	54	49
Republicans . . . . .	110.5	111.0	113.7	46	43	43	122.6	93.1	92.9	58	46	52
Others . . . . .	0.1	1.0	1.1	(Z)	(Z)	(Z)	(Z)	0.3	(Z)	(Z)	(Z)	(Z)
Incumbents . . . . .	132.5	156.6	163.4	55	61	62	89.3	101.2	113.5	42	50	63
Challengers <sup>2</sup> . . . . .	48.8	51.7	47.0	20	20	18	66.2	56.1	54.9	31	28	30
Open seats <sup>2</sup> . . . . .	58.0	49.3	55.4	24	19	21	56.1	44.1	12.1	27	22	7

<sup>1</sup> Less than \$50,000 or 0.5 percent. <sup>2</sup> Includes other types of receipts, not shown separately. <sup>2</sup> Elections in which an incumbent did not seek re-election.

Source: U.S. Federal Election Commission, *FEC Reports on Financial Activity, Final Report, U.S. Senate and House Campaigns*, biennial.

**No. 447. Contributions to Congressional Campaigns by Political Action Committees (PAC), by Type of Committee: 1979 to 1990**

[In millions of dollars. Cover amounts given to candidates in primary, general, run-off, and special elections during the 2-year calendar period indicated. For number of political action committees, see table 442]

TYPE OF COMMITTEE	HOUSE OF REPRESENTATIVES						SENATE					
	Total	Democrats	Repub-licans	Incum-bents	Chal-lengers	Open seats <sup>1</sup>	Total	Democ-rats	Repub-licans	Incum-bents	Chal-lengers	Open seats <sup>1</sup>
<b>1979-80</b> . . . . .	<b>37.9</b>	<b>20.5</b>	<b>17.2</b>	<b>24.9</b>	<b>7.9</b>	<b>5.1</b>	<b>17.3</b>	<b>8.4</b>	<b>9.0</b>	<b>8.6</b>	<b>6.6</b>	<b>2.1</b>
<b>1981-82</b> . . . . .	<b>61.1</b>	<b>34.2</b>	<b>26.8</b>	<b>40.8</b>	<b>10.9</b>	<b>9.4</b>	<b>22.6</b>	<b>11.2</b>	<b>11.4</b>	<b>14.3</b>	<b>5.2</b>	<b>3.0</b>
<b>1983-84, total<sup>2</sup></b> . . .	<b>75.7</b>	<b>46.3</b>	<b>29.3</b>	<b>57.2</b>	<b>11.3</b>	<b>7.2</b>	<b>29.7</b>	<b>14.0</b>	<b>15.6</b>	<b>17.9</b>	<b>6.3</b>	<b>5.4</b>
Corporate . . . . .	23.4	10.4	13.1	18.8	2.6	2.0	12.0	3.2	8.8	8.8	1.1	2.2
Trade association <sup>3</sup> . . . . .	20.4	10.5	9.9	16.5	2.1	1.7	6.3	2.7	3.7	4.5	0.9	1.0
Labor . . . . .	19.8	18.8	1.0	14.3	3.5	2.0	5.0	4.7	0.3	1.6	2.3	1.2
Nonconnected . . . . .	9.1	4.7	4.4	4.9	2.9	1.3	5.4	3.0	2.4	2.4	2.0	1.0
<b>1985-86, total<sup>2</sup></b> . . . . .	<b>87.4</b>	<b>54.7</b>	<b>32.6</b>	<b>65.9</b>	<b>9.1</b>	<b>12.4</b>	<b>45.3</b>	<b>20.2</b>	<b>25.1</b>	<b>23.7</b>	<b>10.2</b>	<b>11.4</b>
Corporate . . . . .	26.9	12.9	14.0	22.9	1.0	3.0	19.2	4.8	14.4	11.7	2.7	4.9
Trade association <sup>3</sup> . . . . .	23.4	12.3	11.2	19.3	1.3	2.8	9.5	3.8	5.7	5.7	1.6	2.1
Labor . . . . .	22.6	21.1	1.6	14.7	4.3	3.6	7.2	6.6	0.6	2.2	3.2	1.9
Nonconnected . . . . .	11.1	6.6	4.5	6.1	2.4	2.6	7.7	4.2	3.4	3.1	2.4	2.2
<b>1987-88, total<sup>2</sup></b> . . . . .	<b>102.2</b>	<b>67.4</b>	<b>34.7</b>	<b>82.2</b>	<b>10.0</b>	<b>10.0</b>	<b>45.7</b>	<b>24.2</b>	<b>21.5</b>	<b>28.7</b>	<b>8.0</b>	<b>9.0</b>
Corporate . . . . .	31.6	16.3	15.4	28.6	1.1	1.9	18.8	7.2	11.6	12.7	2.4	3.7
Trade association <sup>3</sup> . . . . .	28.6	16.5	12.0	24.6	1.5	2.5	10.4	4.8	5.6	7.1	1.3	2.0
Labor . . . . .	26.8	24.8	2.0	18.3	5.1	3.3	7.1	6.5	0.5	3.6	2.2	1.3
Nonconnected . . . . .	11.4	7.4	3.9	7.3	2.2	1.9	7.8	4.8	3.0	4.2	2.0	1.6
<b>1989-90, total<sup>2</sup></b> . . . . .	<b>108.5</b>	<b>72.2</b>	<b>36.2</b>	<b>87.5</b>	<b>7.3</b>	<b>13.6</b>	<b>41.2</b>	<b>20.2</b>	<b>21.0</b>	<b>29.5</b>	<b>8.2</b>	<b>3.5</b>
Corporate . . . . .	35.4	18.7	16.7	30.8	1.4	3.2	18.0	6.1	11.9	13.0	3.5	1.5
Trade association <sup>3</sup> . . . . .	32.5	19.3	13.3	27.5	1.4	3.6	10.0	4.2	5.8	7.2	1.8	0.9
Labor . . . . .	27.6	25.8	1.8	19.8	3.2	4.5	6.0	5.6	0.4	3.9	1.7	0.4
Nonconnected . . . . .	8.5	5.5	2.9	5.5	1.1	1.8	5.7	3.5	2.2	4.2	1.1	0.5

<sup>1</sup> Elections in which an incumbent did not seek re-election. <sup>2</sup> Includes other types of political action committees not shown separately. <sup>3</sup> Includes membership organizations and health organizations. <sup>4</sup> Represents "ideological" groups as well as other issue groups not necessarily ideological in nature.

Source: U.S. Federal Election Commission, *FEC Reports on Financial Activity, Final Report, U.S. Senate and House Campaigns*, biennial.

# State and Local Government Finances and Employment

This section presents data on revenues, expenditures, debt, and employment of State and local governments. Nationwide statistics relating to State and local governments, their numbers, finances, and employment, are compiled primarily by the Bureau of the Census through a program of censuses and surveys. Every fifth year (for years ending in "2" and "7") the Bureau conducts a Census of Governments involving collection of data for all governmental units in the United States. In addition, the Bureau conducts annual surveys which cover all the State governments and a sample of local governments.

Publications issued annually by the Bureau of the Census include a report on finances which presents figures for the Federal Government, nationwide totals for State and local governments by type and State-local data by States. Also issued annually are a series of publications on State, city, county, and school finances, and on city, county, and other public employment. Financial data are published in the GF publication series, employment data in the GE series. There is also a series of quarterly reports covering tax revenue and finances of major public employee retirement systems, as well as a series (GSS) of special studies.

Basic information for Census Bureau statistics on governments is obtained by mail canvass from State and local officials; however, financial data for each of the State governments and for many of the large local governments are compiled from their official records and reports by Census Bureau personnel. In over half of the States, all or part of local government financial data are obtained through central collection arrangements with State governments. Financial data on the Federal Government is based on the *Budget* published by the Office of Management and Budget (see page 311).

**Governmental units.**—The governmental structure of the United States includes, in addition to the Federal Gov-

## In Brief

### State government revenue

(from own sources) in 1990:

\$505,843 million

Taxes	59%
Insurance trust funds	21%
Charges	8%
Interest earnings	5%
Utility and liquor stores	1%

### State government

#### direct expenditures in 1990:

\$397,291 million

Public welfare	21%
Education	19%
Insurance trust funds	14%
Highways	9%

ernment and the States, thousands of local governments—counties, municipalities, townships, school districts, and numerous kinds of "special districts." As shown by table 448, almost 83,200 local governments were identified by the 1987 Census of Governments. As defined by the census, governmental units include all agencies or bodies having an organized existence, governmental character, and substantial autonomy. While most of these governments can impose taxes, many of the special districts—such as independent public housing authorities, the New York Port Authority, and numerous local irrigation, power, and other types of districts—are financed from rentals, charges for services, benefit assessments, grants from other governments, toll charges, and other nontax sources. The count of governments excludes semi-autonomous agencies through which States, cities, and counties sometimes provide for certain functions—for example, "dependent" school systems, State institutions of higher education, and certain other "authorities" and special agencies which are under the administrative or fiscal control of an established governmental unit.

**Finances.**—Unless otherwise stated, financial data relate to fiscal years ending

in the year shown. Most States end their fiscal year June 30; however, Alabama and Michigan end their fiscal year Sept. 30; New York, March 31; and Texas, Aug. 31. The Federal Government ended the fiscal year June 30 until 1976 when its fiscal year, by an act of Congress, was revised to extend from Oct. 1 to Sept. 30. A 3-month quarter (July 1 to Sept. 30, 1976) bridged the transition. Beginning 1963, local government figures are for fiscal years which close at various dates during the 12 months ended June 30 of the year specified (exceptions are school districts in Alabama, which close Sept. 30 of the specified year; school districts in Texas, which close Aug. 31 of year cited; and Washington, DC which ends its fiscal year Sept. 30); figures for 1962 and earlier years are for fiscal years ended during the calendar year.

Nationwide government finance statistics have been classified and presented in terms of uniform concepts and categories, rather than according to the highly diverse terminology, organization, and fund structure utilized by individual governments. Accordingly, financial statistics which appear here for the Federal Government and for individual States or local governments have been standardized and may not agree directly with figures appearing in the original sources.

Statistics on governmental finances distinguish among general government, utilities, liquor stores, and insurance trusts. *General government* comprises all activities except utilities, liquor stores, and insurance trusts. Utilities include government water supply, electric light and power, gas supply, and transit systems. Liquor stores are operated by 17 States and by local governments in 5 States. Insurance trusts relate to employee retirement, unemployment compensation, and other social insurance systems administered by the Federal, State, and local governments.

Data for cities relate only to municipal corporations and their dependent agen-

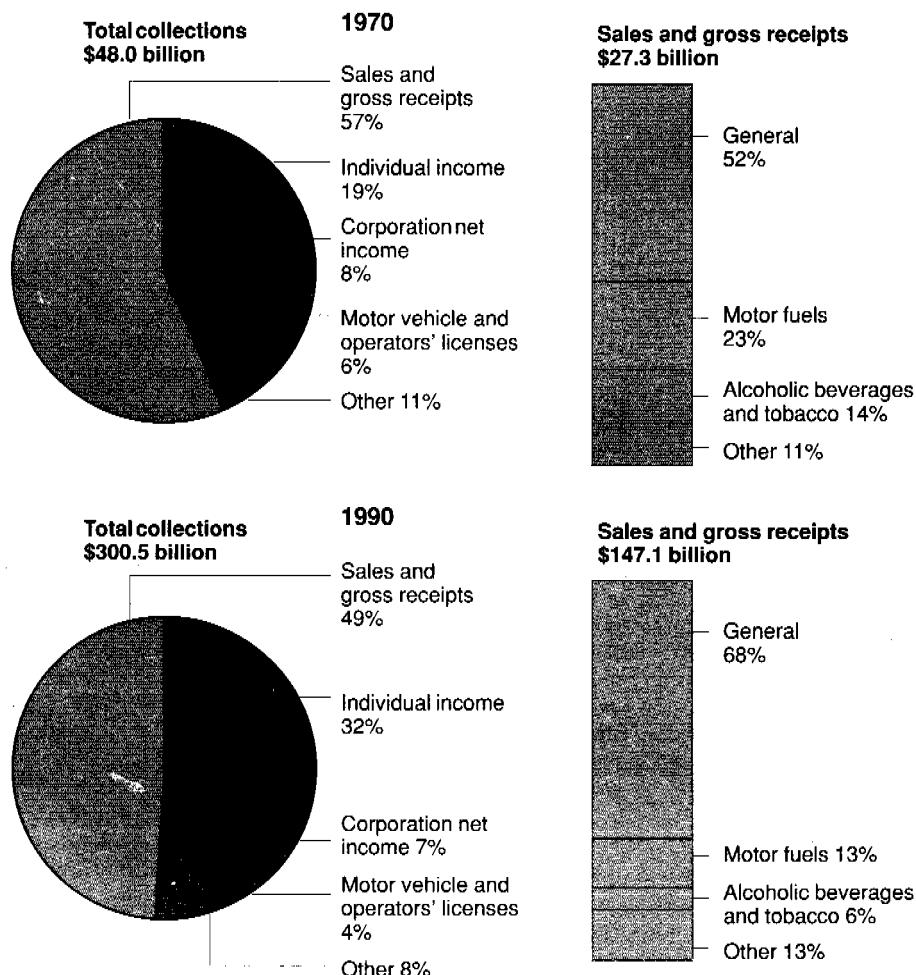
cies and do not include amounts for other local governments overlying city areas. Therefore, expenditure figures for "education" do not include spending by the separate school districts which administer public schools within most municipal areas. Variations in the assignment of governmental responsibility for public assistance, health, hospitals, public housing, and other functions to a lesser degree also have an important effect upon reported amounts of city expenditure, revenue, and debt. Therefore, any intercity comparisons based upon these figures should be made with caution and with due recognition of variations that exist among urban areas in the relative role of the municipal corporation.

**Employment and payrolls.**—These data are based mainly on mail canvassing of State and local governments. Payroll includes all salaries, wages, and individual fee payments for the month specified, and employment relates to all persons on governmental payrolls during a pay period of the month covered—including paid officials, temporary help, and (unless otherwise specified) part-time as well as full-time personnel. Beginning 1986, statistics for full-time equivalent employment have been computed with a formula using hours worked by part-time employees. A payroll based formula was used prior to 1985. Full-time equivalent employment statistics were not computed for 1985. Figures shown for individual governments cover major dependent agencies such as institutions of higher education, as well as the basic central departments and agencies of the government.

**Statistical reliability.**—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

Figure 9.1

**State Government Tax Collections, by Type: 1970 and 1990**

Source: Chart prepared by U.S. Bureau of the Census. For data, see table 463.

**No. 448. Number of Governmental Units, by Type of Government: 1942 to 1987**

TYPE OF GOVERNMENT	1942	1952 <sup>1</sup>	1957 <sup>1</sup>	1962	1967	1972	1977	1982	1987
Total .....	155,116	116,807	102,392	91,237	81,299	78,269	79,913	81,831	83,237
U.S. Government .....	1	1	1	1	1	1	1	1	1
State government .....	48	50	50	50	50	50	50	50	50
Local governments .....	155,067	166,756	102,341	91,186	81,248	78,218	79,862	81,780	83,186
County .....	3,050	3,052	3,050	3,043	3,049	3,044	3,042	3,041	3,042
Municipal .....	16,220	16,807	17,215	18,000	18,048	18,517	18,862	19,076	19,200
Township and town .....	18,919	17,202	17,198	17,142	17,105	16,991	16,822	16,734	16,691
School district .....	108,579	67,355	50,454	34,678	21,782	15,781	15,174	14,851	14,721
Special district .....	8,299	12,340	14,424	18,323	21,264	23,885	25,962	28,078	29,532

<sup>1</sup> Adjusted to include units in Alaska and Hawaii which adopted statehood in 1959.

Source: U.S. Bureau of the Census, *Census of Governments: 1967*, vol. 1, No. 1, *Governmental Organization, 1982*, vol. 6, No. 4, *Historical Statistics on Governmental Finances and Employment (GC82(6)-4)*, and *Census of Governments, 1987*, vol. 1, No. 1, *Governmental Organization*.

## No. 449. All Governments—Revenue, Expenditure, and Debt: 1980 to 1990

[For fiscal year ending in year shown; see text, section 9. Local government amounts are estimates subject to sampling variation; see Appendix III and source. See also *Historical Statistics, Colonial Times to 1970*, series Y 505-637 and Y 652-848]

ITEM AND YEAR	All governments (bil. dol.)	FEDERAL <sup>1</sup>		STATE AND LOCAL (bil. dol.)			AVERAGE ANNUAL PERCENT CHANGE <sup>2</sup>			PER CAPITA <sup>3</sup> (\$dollars)		
		Total (bil. dol.)	Percent of total	Total	State	Local	Federal	State	Local	Total	Federal	State and local
<b>Revenue:</b> <sup>4</sup> 1980 . . . . .	<b>5,932</b>	<b>565</b>	<b>60.7</b>	<b>5452</b>	<b>277</b>	<b>258</b>	<b>10.6</b>	<b>12.0</b>	<b>11.2</b>	<b>5,115</b>	<b>2,496</b>	<b>1,993</b>
1985 . . . . .	51,419	807	56.9	5720	439	402	7.4	9.7	9.3	56,943	3,379	3,015
1989 . . . . .	51,917	1,093	57.0	5954	587	532	7.9	8.3	7.5	57,724	4,402	3,841
1990 . . . . .	52,047	1,155	56.4	51,032	632	580	5.7	7.8	9.1	58,230	4,642	4,150
Intergovernmental: 1980 . . . . .	(X)	2	(X)	583	64	102	(X)	12.3	13.3	(X)	8	367
1985 . . . . .	(X)	2	(X)	5,106	90	138	1.6	6.9	6.2	(X)	8	445
1989 . . . . .	(X)	3	(X)	5,126	116	175	1.5	8.0	7.7	(X)	12	507
1990 . . . . .	(X)	3	(X)	5,137	126	191	0.3	9.1	8.8	(X)	12	550
General, own sources:												
1980 . . . . .	717	417	58.2	299	169	130	9.8	11.4	9.7	3,163	1,842	1,321
1985 . . . . .	1,050	559	53.2	492	276	216	6.0	10.3	10.7	4,400	2,339	2,059
1989 . . . . .	1,400	740	52.9	660	367	293	7.4	8.4	8.1	5,642	2,983	2,659
1990 . . . . .	1,493	780	52.3	713	391	322	5.4	6.7	9.7	6,004	3,138	2,866
Taxes: <sup>4</sup> 1980 . . . . .	574	351	61.1	223	137	86	9.2	11.1	8.3	2,535	1,548	986
1985 . . . . .	804	454	56.4	350	215	134	5.3	9.5	9.3	3,369	1,902	1,465
1989 . . . . .	1,085	616	56.8	469	284	184	9.5	7.6	7.5	4,369	2,481	1,888
1990 . . . . .	1,134	632	55.8	502	300	201	2.7	5.8	9.0	4,559	2,542	2,017
Property: 1980 . . . . .	68	(X)	(X)	68	3	66	(X)	10.2	7.1	302	(X)	302
1985 . . . . .	104	(X)	(X)	104	4	100	(X)	6.6	8.8	435	(X)	435
1989 . . . . .	143	(X)	(X)	143	5	137	(X)	7.3	7.8	574	(X)	574
1990 . . . . .	156	(X)	(X)	156	6	150	(X)	8.0	9.2	626	(X)	626
Individual income:												
1980 . . . . .	286	244	85.3	42	37	5	10.4	15.0	11.9	1,263	1,077	186
1985 . . . . .	401	321	82.5	70	64	6	6.3	11.5	5.3	1,681	1,386	294
1989 . . . . .	543	446	82.0	98	89	9	11.1	10.8	9.4	2,189	1,795	394
1990 . . . . .	573	467	81.6	106	96	10	4.8	8.2	6.4	2,302	1,877	425
Corporate income:												
1980 . . . . .	78	65	82.9	13	13	-	7.0	13.6	-	344	285	59
1985 . . . . .	80	61	76.2	19	18	2	-1.0	5.8	(X)	337	257	80
1989 . . . . .	129	103	79.9	26	24	2	9.7	10.0	0.2	521	416	104
1990 . . . . .	117	94	79.9	24	22	2	-9.5	-8.9	-11.9	471	376	95
Sales or gross receipts:												
1980 . . . . .	112	622	28.6	80	68	12	5.8	9.6	14.7	494	6141	353
1985 . . . . .	176	649	28.0	126	105	21	8.9	9.2	11.7	735	6206	529
1989 . . . . .	219	553	24.0	166	139	28	-0.2	6.2	6.3	880	6212	669
1990 . . . . .	232	554	23.3	178	147	31	2.8	6.4	11.0	932	6217	715
Current charges and miscellaneous: 1980 . . . . .	142	67	46.7	76	32	44	14.3	12.9	13.3	629	294	335
1985 . . . . .	246	104	42.5	124	60	82	9.4	13.3	13.3	1,031	438	594
1989 . . . . .	316	125	39.4	191	83	109	-2.0	11.3	9.2	1,273	502	771
1990 . . . . .	359	148	41.3	211	91	120	19.0	9.8	10.7	1,445	596	849
<b>Expenditures:</b> <sup>4</sup> 1980 . . . . .	<b>5,959</b>	<b>617</b>	<b>64.4</b>	<b>5434</b>	<b>258</b>	<b>261</b>	<b>11.5</b>	<b>11.7</b>	<b>10.9</b>	<b>5,232</b>	<b>2,724</b>	<b>1,916</b>
1985 . . . . .	51,581	1,032	65.3	5,658	391	391	10.8	8.7	8.4	5,622	4,323	2,756
1989 . . . . .	52,031	1,270	62.6	5,891	525	533	4.6	8.3	7.4	5,180	5,116	3,589
1990 . . . . .	52,219	1,393	62.8	5,976	572	581	9.7	9.0	9.0	6,921	5,601	3,924
Intergovernmental: 1980 . . . . .	(X)	91	(X)	52	85	2	14.6	11.3	10.8	(X)	401	8
1985 . . . . .	(X)	107	(X)	52	122	4	3.4	7.6	18.1	(X)	449	8
1989 . . . . .	(X)	127	(X)	3	165	5	7.0	9.1	-5.0	(X)	513	12
1990 . . . . .	(X)	147	(X)	3	175	6	15.5	5.8	19.1	(X)	591	13
Direct: <sup>4</sup> 1980 . . . . .	959	526	54.9	432	173	259	11.0	11.9	10.9	4,232	2,323	1,908
1985 . . . . .	1,581	925	58.5	656	269	387	11.9	9.2	8.4	6,622	3,874	2,748
1989 . . . . .	2,031	1,143	56.3	888	360	528	4.3	7.9	7.6	8,180	4,603	3,577
1990 . . . . .	2,219	1,246	58.5	973	397	575	9.0	10.5	8.9	8,921	5,010	3,911
Current operation: 1980 . . . . .	517	209	40.5	308	108	200	7.8	13.3	11.6	2,282	923	1,359
1985 . . . . .	833	360	43.3	473	172	300	11.5	9.7	8.5	3,488	1,509	1,979
1989 . . . . .	1,073	432	40.3	641	233	408	-0.8	9.3	7.8	4,322	1,741	2,580
1990 . . . . .	1,190	490	41.2	700	258	442	13.4	10.8	8.5	4,785	1,970	2,815
Capital outlay: 1980 . . . . .	99	36	36.7	63	23	40	7.4	5.8	9.2	439	161	278
1985 . . . . .	157	77	49.1	80	31	49	16.1	5.6	4.5	657	323	325
1989 . . . . .	212	100	47.1	112	43	69	6.7	6.0	8.1	853	402	451
1990 . . . . .	221	98	44.3	123	46	78	-1.9	5.6	12.7	888	394	495
<b>Debt outstanding:</b> <sup>7</sup> 1980 . . . . .	<b>1,250</b>	<b>914</b>	<b>73.2</b>	<b>336</b>	<b>122</b>	<b>214</b>	<b>9.4</b>	<b>11.3</b>	<b>7.7</b>	<b>5,517</b>	<b>4,036</b>	<b>1,481</b>
1985 . . . . .	2,396	1,827	76.3	571	212	357	14.9	11.7	10.8	10,036	7,655	2,393
1989 . . . . .	3,679	2,881	78.3	798	296	503	10.2	6.8	5.2	14,822	11,606	3,216
1990 . . . . .	4,127	3,266	79.2	661	318	542	13.4	7.7	7.9	16,592	13,132	3,460

<sup>1</sup> Represents or rounds to zero. X Not applicable. <sup>2</sup> Data adjusted to system for reporting State and local data and therefore differ from figures in section 10 tables. <sup>3</sup> Percent change from prior year, except for 1980, change from 1970 and 1985, change from 1980. For explanation, see Guide to Tabular Presentation. Minus sign (-) indicates decrease. <sup>4</sup> 1980 and 1990 based on enumerated resident population as of April 1; all other years based on estimated resident population as of July 1. Estimates do not reflect revisions based on the 1990 Census of Population. Excludes intergovernmental amounts. <sup>5</sup> Includes amounts not shown separately. <sup>6</sup> Excludes duplicative transactions between levels of government; see source. <sup>7</sup> Includes customs. <sup>8</sup> End of fiscal year.

Source: U.S. Bureau of the Census, *Historical Statistics on Governmental Finances and Employment (GC 82(6)-4)*; and *Government Finances*, series GF, No. 5, annual.

**No. 450. All Governments—Revenue and Expenditure, by Level of Government: 1990**

[For fiscal year ending in year shown, see text, section 9. Local government amounts are estimates subject to sampling variation; see source and appendix III. See also *Historical Statistics, Colonial Times to 1970*, series Y 505-637 and Y 652-648]

SOURCE OF REVENUE AND TYPE OF EXPENDITURE	All governments (mil. dol.)	Federal (mil. dol.)	State (mil. dol.)	Local (mil. dol.)	PERCENT		PER CAPITA <sup>1</sup> (dol.)	
					Federal	State and local	Federal	State and local
<b>Revenue</b>	<b>2,046,998</b>	<b>1,154,596</b>	<b>632,172</b>	<b>580,193</b>	<b>100.0</b>	<b>100.0</b>	<b>4,642</b>	<b>4,150</b>
Intergovernment revenue	(2)	2,911	126,329	190,723	0.3	26.2	12	550
Revenue from own sources	2,046,998	1,151,685	505,843	389,470	99.8	73.8	4,631	3,600
General revenue from own sources	1,493,179	780,479	391,101	321,599	67.6	56.8	3,138	2,866
Percent of total revenue	73	68	62	55	(X)	(X)	(X)	(X)
Taxes	1,133,886	632,267	300,489	201,130	54.8	41.4	2,542	2,017
Property	155,613	(X)	5,848	149,765	(X)	12.8	(X)	626
Individual income	572,524	466,894	96,076	9,563	40.4	8.7	1,877	425
Corporation income	117,073	93,507	21,751	1,815	8.1	1.9	376	95
Sales and gross receipts	231,855	53,970	147,069	30,815	4.7	14.7	715	
Customs duties	16,810	16,810	(X)	(X)	1.5	(X)	68	(X)
General sales and gross receipts	121,287	(X)	99,702	21,585	(X)	10.0	(X)	488
Selective sales and gross receipts <sup>2</sup>	93,758	37,160	47,367	9,231	3.2	4.7	149	228
Motor fuel	33,120	13,077	19,379	664	1.1	1.7	53	81
Alcoholic beverages	9,223	5,753	3,191	279	0.5	0.3	23	14
Tobacco products	10,002	4,268	5,541	193	0.4	0.5	17	23
Public utilities	17,892	6,476	6,514	4,903	0.6	0.9	26	46
Motor vehicle and operators' licenses	11,444	(X)	10,675	769	(X)	0.9	(X)	46
Death and gift	15,355	11,500	3,832	23	1.0	0.3	46	16
Charges and misc. general revenue <sup>3</sup>	359,293	148,212	90,612	120,469	12.8	17.4	596	849
Current charges <sup>3</sup>	204,418	88,877	42,745	72,795	7.7	8.5	357	465
National defense and international relations	8,268	8,268	(X)	(X)	0.7	(X)	33	(X)
Postal service	38,202	38,202	(X)	(X)	3.3	(X)	54	(X)
Education <sup>3</sup>	32,840	-	23,585	9,256	-	2.7	-	132
School lunch sales	3,454	-	13	3,441	-	0.3	-	14
Higher education	26,339	-	23,224	3,115	-	2.2	-	106
Natural resources	29,205	27,385	1,347	473	2.4	0.2	110	7
Hospitals	31,191	77	9,388	21,726	(Z)	2.6	(Z)	125
Sewerage and sanitation	17,647	(X)	224	17,423	(X)	1.5	(X)	71
Parks and recreation	3,456	100	748	2,608	(Z)	0.3	(Z)	13
Housing and community development	5,843	2,997	190	2,656	0.3	0.2	12	11
Air transportation	5,193	20	556	4,617	(Z)	0.4	14	21
Water transport and terminals	2,394	906	355	1,133	0.1	0.1	4	6
Special assessments	2,427	(X)	146	2,281	(X)	0.2	(X)	10
Sale of property	5,270	3,967	246	1,057	0.4	0.1	16	5
Interest earnings	70,037	11,313	27,370	31,353	1.0	4.8	45	236
Utility revenue	55,202	(X)	3,305	51,897	(X)	4.6	(X)	222
Liquor stores	3,441	(X)	2,907	533	(X)	0.3	(X)	14
Insurance trust revenue	495,176	371,206	108,530	15,441	32.2	10.2	1,493	498
<b>Expenditure</b>	<b>2,218,793</b>	<b>1,393,121</b>	<b>572,318</b>	<b>581,207</b>	<b>100.0</b>	<b>100.0</b>	<b>5,601</b>	<b>3,924</b>
Intergovernment expenditure	(2)	146,990	175,028	5,836	10.6	15.7	591	13
Direct expenditure	2,218,793	1,246,131	397,291	575,371	89.5	84.3	5,010	3,911
General expenditure	1,686,774	855,234	333,256	498,284	61.4	72.1	3,439	3,343
Percent of total expenditure	76	61	58	86	(X)	(X)	(X)	(X)
Education <sup>3</sup>	305,552	17,404	75,497	212,652	1.3	25.0	70	1,159
Elementary and secondary education	202,009	-	1,798	200,211	-	17.5	-	812
Higher education	73,418	-	60,978	12,441	-	6.4	-	295
Public welfare	140,734	33,447	83,336	23,951	2.4	9.3	134	431
Health and hospitals	92,487	17,852	35,543	39,092	1.3	6.5	72	300
Highways	61,913	856	36,464	24,593	0.1	5.3	3	245
Police protection	35,921	5,344	4,487	26,090	0.4	2.7	21	123
Fire protection	13,186	(X)	(X)	13,186	(X)	1.1	(X)	53
Corrections	26,229	1,594	15,898	8,737	0.1	2.1	6	99
Natural resources <sup>4</sup>	96,922	70,268	11,906	14,750	5.1	2.3	283	107
Sewerage and sanitation	28,453	(X)	1,527	26,926	(X)	2.5	(X)	114
Housing and community development	32,430	16,951	1,724	13,756	1.2	1.3	68	62
Governmental administration	57,546	12,710	17,707	27,130	0.9	3.9	51	180
Interest on general debt	237,691	187,952	21,532	28,207	13.5	4.3	756	200
Other	557,710	490,858	27,635	39,214	35.2	5.8	1,974	269
Utility expenditure	74,875	(X)	7,131	67,744	(X)	6.5	(X)	301
Liquor stores expenditure	2,926	(X)	2,452	474	(X)	0.3	(X)	12
Insurance trust expenditure	454,218	390,897	54,452	8,870	28.1	5.5	1,572	255
By character and object:								
Current operation	1,190,147	490,016	258,046	442,084	36.2	60.7	1,970	2,815
Capital outlay	220,960	97,891	45,524	77,545	7.0	10.7	394	495
Construction	98,536	9,422	34,803	54,310	0.7	7.7	38	358
Equip., land and existing structures	122,424	88,469	10,721	23,235	6.4	2.9	356	137
Assistance and subsidies	106,602	79,375	16,902	10,325	5.7	2.4	319	109
Interest on debt (general and utility)	246,866	187,952	22,367	36,547	13.5	5.1	756	237
Insurance benefits and repayments	454,218	390,897	54,452	8,870	28.1	5.5	1,572	255
Expenditure for salaries and wages	487,594	146,436	101,338	239,820	10.5	29.6	589	1,372

- Represents zero or rounds to zero. X Not applicable. Z Less than .05 percent or \$.50. <sup>1</sup> Based on enumerated resident population as of April 1. <sup>2</sup> Aggregates exclude duplicative transactions between levels of government; see source. <sup>3</sup> Includes amounts not shown separately. <sup>4</sup> Includes parks and recreation.

Source: U.S. Bureau of the Census, *Government Finances*, series GF, No. 5, annual.

**No. 451. All Governments—Expenditure for Capital Outlay, by Level of Government and by Function: 1970 to 1990**

[In millions of dollars, except percent. For fiscal years ending in year shown; see text, section 9. Except for 1982 and 1987, local government data are estimates subject to sampling variation; see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series Y 523-524, Y 673-674, Y 740-741, and Y 787-788]

LEVEL AND FUNCTION	1970	1975	1980	1984	1985	1986	1987	1988	1989	1990
<b>Total . . . . .</b>	<b>47,519</b>	<b>66,622</b>	<b>99,386</b>	<b>143,094</b>	<b>156,912</b>	<b>176,096</b>	<b>195,713</b>	<b>197,844</b>	<b>211,734</b>	<b>220,960</b>
Federal Government:										
Total . . . . .	17,869	21,798	36,492	72,456	77,014	85,647	96,871	93,531	99,790	97,891
Annual percent change <sup>1</sup>	-6.0	4.1	10.9	-10.3	6.3	11.2	13.1	3.4	6.7	-1.9
As percent of direct expenditure	9.7	7.5	6.9	8.7	8.3	8.7	9.3	7.7	8.7	7.9
By function:										
National defense <sup>2</sup> . . . . .	14,027	14,507	28,161	60,382	64,154	71,995	78,222	74,790	78,891	75,624
Education . . . . .	9	2	97	58	39	5	13	7	9	41
Highways . . . . .	9	70	132	187	121	204	173	173	165	181
Health and hospitals . . . . .	166	311	673	1,016	916	1,160	1,327	1,228	1,403	1,096
Natural resources . . . . .	1,691	3,416	4,046	4,435	4,092	3,651	4,058	3,581	3,786	4,698
Housing <sup>3</sup> . . . . .	853	1,059	317	1,471	1,935	2,515	3,642	5,180	5,032	4,343
Air transportation . . . . .	234	363	151	249	785	391	494	407	658	664
Water transportation <sup>4</sup> . . . . .	285	251	1,003	482	583	245	315	370	306	385
All other . . . . .	595	1,819	1,912	4,176	4,389	5,481	8,627	7,792	9,540	10,859
State and local governments:										
Total . . . . .	29,650	44,824	62,894	70,638	79,898	90,449	98,842	104,313	111,944	123,069
Annual percent change <sup>1</sup>	5.0	8.6	7.0	4.3	13.1	13.2	9.3	5.5	7.3	9.9
As percent of direct expenditure	20.0	16.7	14.5	11.8	12.2	12.6	12.7	12.6	12.6	12.7
By function:										
Education <sup>5</sup> . . . . .	7,621	9,861	10,737	11,596	13,477	15,490	17,803	18,529	21,854	25,997
Higher education . . . . .	2,705	2,834	2,972	3,855	4,629	5,217	6,141	6,397	6,851	7,441
Elementary and secondary . . . . .	4,658	6,532	7,362	7,258	8,358	10,009	11,355	11,789	14,584	18,057
Highways . . . . .	10,762	13,646	19,133	20,269	23,900	26,807	26,352	31,635	32,754	33,867
Health and hospitals . . . . .	790	1,781	2,443	2,366	2,709	2,810	3,029	3,436	3,445	3,848
Natural resources . . . . .	789	1,113	1,052	1,414	1,736	1,803	2,157	1,894	2,019	2,545
Housing <sup>3</sup> . . . . .	1,319	1,821	2,248	3,104	3,217	3,516	3,394	3,619	3,765	3,997
Air transportation . . . . .	691	852	1,391	1,814	1,875	2,183	2,632	2,886	2,965	3,434
Water transportation <sup>4</sup> . . . . .	258	419	623	585	717	911	869	911	943	924
Sewerage . . . . .	1,385	3,569	6,272	5,664	5,926	6,461	7,483	8,300	8,343	8,856
Parks and recreation <sup>5</sup> . . . . .	684	1,261	2,023	1,962	2,196	2,554	2,838	3,142	3,350	3,877
Utilities <sup>5</sup> . . . . .	2,437	4,846	9,933	12,599	13,435	15,340	15,638	14,782	15,371	16,601
Water . . . . .	1,201	2,111	3,335	3,438	4,160	5,134	6,135	6,052	6,372	6,873
Electric . . . . .	820	1,485	4,572	5,153	5,247	6,127	5,086	4,473	4,291	3,976
Transit . . . . .	366	1,203	1,921	3,873	3,830	3,830	4,165	3,998	4,430	5,443
Gas . . . . .	50	48	105	135	198	250	253	259	279	310
Other . . . . .	2,915	5,656	7,039	9,265	10,711	12,573	14,645	15,172	17,135	19,623

<sup>1</sup> Change from prior year shown. 1970, change from 1969. For definition of average annual percent change, see Guide to Tabular Presentation. <sup>2</sup> Includes international relations and U.S. service schools. <sup>3</sup> Includes community development. <sup>4</sup> Includes terminals. <sup>5</sup> Includes other education. <sup>6</sup> Beginning 1980, includes outlays by State governments.

Source: U.S. Bureau of the Census, *Census of Governments: 1977, 1982 and 1987*, Vol. 6, No. 4, *Historical Statistics on Governmental Finances and Employment, and Government Finances*, series GF No. 5, annual.

**No. 452. Federal, State, and Local Government Spending on Public Works: 1980 to 1990**

[In millions of dollars. Public works include expenditures on highways, airports, water transport and terminals, sewerage, solid waste management, water supply, and mass transit systems. Represents direct expenditures excluding intergovernmental grants]

LEVEL AND TYPE OF EXPENDITURE	Total	Highways	Airport transportation	Water transport and terminals	Sewerage	Solid waste management	Water supply	Mass transit
1980: Total . . . . .	72,177	33,745	5,071	3,278	9,892	3,322	9,228	7,641
Federal . . . . .	5,114	434	2,570	2,110	-	-	-	-
State . . . . .	22,832	20,661	360	360	334	-	91	1,026
Local . . . . .	44,231	12,650	2,141	808	9,558	3,322	9,137	6,615
Capital expenditures (percent) . . . . .	48	57	30	50	63	11	36	25
1985: Total . . . . .	101,925	45,856	7,153	3,353	12,186	5,212	14,298	13,867
Federal . . . . .	6,103	834	3,409	1,860	-	-	-	-
State . . . . .	31,821	27,167	473	534	328	-	69	3,250
Local . . . . .	64,001	17,854	3,271	959	11,858	5,214	14,228	10,617
Capital expenditures (percent) . . . . .	42	52	37	39	49	14	29	28
1990: Total . . . . .	146,762	61,913	10,983	4,524	18,309	10,144	22,101	18,788
Federal . . . . .	7,911	856	4,499	2,556	-	-	-	-
State . . . . .	43,787	36,464	635	504	636	891	136	4,521
Local . . . . .	95,064	24,593	5,848	1,464	17,673	9,253	21,966	14,267
Capital expenditures (percent) . . . . .	42	55	37	29	46	18	31	29

- Represents or rounds to zero.

Source: U.S. Bureau of the Census, *Government Finances*, series GF, No. 5, annual.

**No. 453. Federal Grants-in-Aid Summary: 1970 to 1993**

[For fiscal year ending in year shown; see text, section 9. Minus sign (-) indicates decrease]

YEAR	CURRENT DOLLARS						CONSTANT (1982) DOLLARS	
	Total grants (bil. dol.)	Average annual percent change <sup>1</sup>	Grants to individuals		Grants as percent of—			Total grants (bil. dol.)
			Total (bil. dol.)	Percent of total grants	State-local govt. outlays <sup>2</sup>	Federal outlays	Gross national product	
1970	24.0	17.2	8.6	35.8	19.0	12.3	2.4	61.2
1975	49.8	15.7	16.4	33.0	22.6	15.0	3.3	87.1
1980	91.5	10.4	31.9	34.9	25.8	15.5	3.4	105.9
1985	105.9	8.5	48.1	45.4	20.9	11.2	2.7	94.0
1987	108.4	-3.5	56.4	52.0	18.2	10.8	2.4	90.7
1988	115.3	6.4	61.0	52.9	18.2	10.8	2.4	92.5
1989	121.8	5.6	65.9	54.1	17.3	10.7	2.4	93.4
1990	136.9	12.2	78.6	57.5	17.9	10.9	2.5	100.9
1991, estimate	158.6	15.8	94.7	59.7	(NA)	11.2	2.8	110.4
1992, projection	171.0	7.8	106.2	62.1	(NA)	11.8	2.9	113.9
1993, projection	184.1	7.7	117.7	63.9	(NA)	12.7	2.9	117.8

NA Not available. <sup>1</sup> Average annual percent change from prior year shown. For explanation, see Guide to Tabular Presentation, 1970, change from 1965. <sup>2</sup> Outlays as defined in the national income and product accounts.

Source: Advisory Commission on Intergovernmental Relations, Washington, DC, *Significant Features of Fiscal Federalism, 1991 Edition*, vol. II, based on *Budget of the United States Government, FY 92*, Table 12.1.

**No. 454. Federal Aid to State and Local Governments: 1970 to 1991**

[In millions of dollars. For fiscal year ending in year shown; see text, section 9. Includes trust funds. Minus sign (-) indicates previously disbursed funds returned to the Federal Government. See *Historical Statistics, Colonial Times to 1970*, series Y 638-651, for related data]

TYPE OF AID, FUNCTION, AND MAJOR PROGRAM	1970	1975	1980	1985	1988	1989	1990	1991
<b>Grant-in-aid shared revenue<sup>1</sup></b>	<b>24,065</b>	<b>49,791</b>	<b>91,451</b>	<b>105,897</b>	<b>115,382</b>	<b>121,976</b>	<b>135,377</b>	<b>152,017</b>
National defense	37	74	93	157	188	253	241	185
Natural resources and environment	411	2,437	5,363	4,069	3,747	3,606	3,745	4,040
Environmental Protection Agency	194	2,025	4,603	3,197	2,895	2,797	2,874	3,071
Energy	25	43	499	529	457	420	461	457
Agriculture	604	404	569	2,420	2,069	1,359	1,285	1,220
Transportation <sup>1</sup>	4,599	5,864	13,087	17,055	18,083	18,225	19,225	19,878
Airports	83	292	590	789	825	1,135	1,220	1,541
Highways	4,395	4,702	9,209	12,841	13,926	13,349	14,172	14,418
Railroads		(Z)	54	35	22	15	14	2
Urban mass transit	105	689	3,129	3,304	3,228	3,500	3,730	3,821
Community and regional development <sup>1</sup>	1,780	2,842	6,486	5,221	4,266	4,074	4,965	4,273
Appalachian development	184	306	335	198	141	104	124	157
Community development block grants	(X)	38	3,902	3,817	3,050	2,948	2,818	2,976
Education, employment, training, social services <sup>1</sup>	6,417	12,133	21,862	17,817	19,882	21,987	23,101	26,020
Compensatory education for the disadvantaged <sup>3</sup>	1,470	2,184	3,370	4,194	4,016	4,165	4,437	5,193
School improvement programs <sup>3</sup>	86	332	523	479	384	846	1,080	1,243
Bilingual and immigrant education <sup>3</sup>	-	93	166	111	130	132	152	148
Federally affected areas impact aid	622	577	622	629	694	735	799	747
Vocational and adult education	285	653	654	633	1,261	824	1,287	1,038
Libraries	105	210	158	79	94	131	127	132
Work programs	81	304	383	274	90	86	7	-
Social services-block grants to States	574	2,047	2,763	2,743	2,666	2,671	2,749	2,822
Human development services	390	803	1,548	1,807	1,997	2,571	2,267	2,920
Training and employment assistance	954	2,504	6,191	2,775	2,958	3,020	3,042	2,985
Health <sup>1</sup>	3,849	8,810	15,758	24,451	32,586	36,679	43,890	55,783
Alcohol, drug abuse, and mental health <sup>4</sup>	146	590	679	501	720	666	1,241	1,744
Medicaid	2,727	6,840	13,957	22,655	30,462	34,604	41,103	52,533
Income security <sup>1</sup>	5,795	9,352	18,495	27,153	31,620	32,523	35,447	36,856
Family support payments to States (AFDC and CSE)	4,142	5,121	7,273	9,169	10,764	11,166	12,246	13,520
Food stamps-administration	559	136	412	886	1,113	1,167	1,199	1,406
Child nutrition and special milk programs <sup>4</sup>	379	1,565	3,988	3,479	4,159	4,455	4,871	5,418
Housing assistance <sup>4</sup>	436	1,326	3,435	6,407	8,618	8,515	9,516	7,903
Veterans benefits and services	18	32	90	91	106	127	134	141
Administration of justice	42	725	529	95	427	520	574	940
General government <sup>5</sup>	479	7,072	8,616	6,838	1,950	2,204	2,309	2,224

<sup>1</sup> Represents zero. X Not applicable. Z Less than \$500,000. <sup>2</sup> Includes items not shown separately. <sup>3</sup> Includes \$5 million for international affairs subsequently provided to a private institution. <sup>3</sup> The 1983 Budget proposed dismantlement of the Dept. of Education (DED). Budget data for elementary and secondary education previously performed by DED are included in the Foundation for Education Assistance under compensatory education for the disadvantaged, school improvement (formerly titled "Special programs and populations") programs and bilingual and immigrant education. <sup>4</sup> Includes grants for payments to individuals. <sup>5</sup> Includes general purpose fiscal assistance.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government*, annual, and *Budget of the United States Government*, annual.

**No. 455. Federal Aid to State and Local Governments—Selected Programs, by State: 1990**

[In millions of dollars, except per capita. For fiscal year ending Sept. 30]

DIVISION AND STATE	FEDERAL AID <sup>1</sup>		OE <sup>3</sup> compensatory education <sup>4</sup>	EPA <sup>5</sup> waste treat- ment facilities con- struction	HHS <sup>6</sup>		HUD <sup>8</sup>		ETA <sup>10</sup> employ- ment/ training	Dept. of Transpor- tation, highway trust fund
	Total	Per capita <sup>2</sup> (dol.)			Family Support Adminis- tration <sup>7</sup>	Medic- aid	Lower income hou- sing assis- tance <sup>9</sup>	Community develop- ment		
<b>Total <sup>11</sup></b>	<b>134,457</b>	<b>533</b>	<b>4,437</b>	<b>2,294</b>	<b>15,140</b>	<b>40,857</b>	<b>7,372</b>	<b>2,818</b>	<b>5,735</b>	<b>13,686</b>
New England:										
Maine	762	621	23	14	86	283	52	11	29	66
New Hampshire	427	385	11	14	30	121	33	9	19	56
Vermont	377	670	11	12	41	105	20	5	14	55
Massachusetts	3,857	641	109	87	469	1,570	323	83	130	181
Rhode Island	773	770	16	22	67	246	91	13	29	126
Connecticut	1,973	600	48	42	192	613	162	39	72	391
Middle Atlantic:										
New York	15,761	876	461	310	3,150	6,301	852	274	430	604
New Jersey	3,977	514	139	127	416	1,261	336	115	172	354
Pennsylvania	6,125	515	214	104	616	1,814	364	206	271	759
East North Central:										
Ohio	5,388	497	144	108	607	1,957	322	140	250	404
Indiana	2,423	437	68	57	185	945	112	54	120	259
Illinois	5,280	462	213	101	520	1,276	393	149	288	502
Michigan	4,751	511	171	82	794	1,506	190	108	284	356
Wisconsin	2,538	519	63	46	438	893	110	49	113	222
West North Central:										
Minnesota	2,366	541	51	46	281	790	134	49	89	281
Iowa	1,289	464	35	41	128	414	45	33	55	186
Missouri	2,177	425	69	50	182	576	127	61	108	272
North Dakota	471	737	10	10	35	134	22	6	22	70
South Dakota	511	734	13	10	33	122	33	7	20	95
Nebraska	779	494	21	5	75	210	32	13	29	103
Kansas	1,021	412	32	20	93	304	42	23	42	162
South Atlantic:										
Delaware	313	470	15	7	25	68	28	6	17	40
Maryland	2,350	491	69	98	197	620	163	45	97	365
District of Columbia	1,718	2,831	22	17	96	217	54	15	34	67
Virginia	2,237	361	81	56	181	548	150	46	91	316
West Virginia	1,009	562	39	35	102	287	52	20	45	108
North Carolina	2,942	444	98	43	208	1,020	156	55	130	386
South Carolina	1,892	542	64	19	121	642	78	26	71	161
Georgia	3,136	484	118	50	256	1,002	176	68	107	387
Florida	4,576	354	194	116	346	1,427	233	123	188	478
East South Central:										
Kentucky	2,044	555	75	23	156	753	117	35	89	161
Tennessee	2,717	557	85	27	181	970	142	45	110	271
Alabama	2,101	520	88	32	75	601	117	37	107	292
Mississippi	1,595	620	80	17	107	510	80	35	60	124
West South Central:										
Arkansas	1,250	532	53	6	61	474	60	26	59	128
Louisiana	2,658	630	101	20	200	1,041	118	48	96	302
Oklahoma	1,568	498	41	13	122	515	95	28	65	175
Texas	6,889	406	311	86	505	1,954	312	170	287	1,026
Mountain:										
Montana	581	740	13	4	48	133	36	8	25	96
Idaho	569	565	15	12	32	124	21	9	31	126
Wyoming	568	1,253	7	6	24	44	11	3	17	111
Colorado	1,429	434	41	15	113	306	85	24	65	250
New Mexico	959	633	33	4	53	213	53	13	36	96
Arizona	1,620	442	52	11	126	408	92	35	81	186
Utah	838	487	16	11	71	224	21	16	42	121
Nevada	442	368	9	2	32	74	29	8	28	90
Pacific:										
Washington	2,568	528	60	35	387	704	93	43	126	401
Oregon	1,708	601	45	20	176	369	69	23	78	159
California	13,932	468	486	133	2,494	3,870	675	248	670	1,344
Alaska	717	1,303	16	14	50	89	41	6	34	160
Hawaii	598	540	12	17	59	121	28	8	24	125

<sup>1</sup> Includes other amounts not shown separately. <sup>2</sup> Based on Bureau of the Census enumerated resident population as of April 1. <sup>3</sup> Office of Education. <sup>4</sup> For the disadvantaged. <sup>5</sup> Environmental Protection Agency. <sup>6</sup> Department of Health and Human Services. <sup>7</sup> Includes work incentives, family support payments (Aid to Families with Dependent Children), community service block grant, low income home energy assistance, refugee assistance, and assistance for legalized aliens. <sup>8</sup> Department of Housing and Urban Development. <sup>9</sup> Includes public housing, housing payments (section 8) to public agencies, and college housing. <sup>10</sup> Employment and Training Administration, Job Training Partnership Act. <sup>11</sup> Includes outlying areas and undistributed amounts, not shown separately.

Source: U.S. Bureau of the Census, *Federal Expenditures by State for Fiscal Year 1990*.

**No. 456. State and Local Governments—Summary of Finances: 1980 to 1990**

[For fiscal year ending in year shown, see text, section 9. Local government amounts includes here are estimates subject to sampling variations; see Appendix III and source. See also *Historical Statistics, Colonial Times to 1970*, series Y 652-709]

SOURCE OF REVENUE AND TYPE OF EXPENDITURE	TOTAL (mil. dol.)			PER CAPITA (dol.)			PERCENT DISTRIBUTION		
	1980	1985	1990	1980	1985	1990	1980	1985	1990
<b>Revenue</b> <sup>2</sup> . . . . .	<b>451,537</b>	<b>719,686</b>	<b>1,032,115</b>	<b>1,993</b>	<b>3,015</b>	<b>4,150</b>	<b>100</b>	<b>100</b>	<b>100</b>
<b>From Federal Government</b> . . . . .	<b>83,029</b>	<b>106,193</b>	<b>136,802</b>	<b>366</b>	<b>445</b>	<b>550</b>	<b>18</b>	<b>15</b>	<b>13</b>
Public welfare . . . . .	24,921	39,081	59,961	110	164	241	6	5	6
Highways . . . . .	8,980	12,993	14,368	40	54	58	2	2	1
Education . . . . .	14,435	16,758	23,233	64	70	93	3	2	2
Employment security administration . . . . .	2,056	2,690	3,024	9	11	12	1	(Z)	(Z)
Revenue sharing . . . . .	6,844	4,556	-	30	19	-	2	1	-
Other and unallocable . . . . .	25,793	30,115	36,216	114	126	146	6	4	4
<b>From State and local sources</b> . . . . .	<b>368,509</b>	<b>613,492</b>	<b>895,313</b>	<b>1,627</b>	<b>2,570</b>	<b>3,600</b>	<b>82</b>	<b>85</b>	<b>87</b>
General, net intergovernmental . . . . .	299,293	491,525	712,700	1,321	2,059	2,866	66	68	69
Taxes . . . . .	223,463	349,793	501,619	986	1,465	2,017	50	49	49
Property . . . . .	68,499	103,757	155,613	302	435	626	15	14	15
Sales and gross receipts . . . . .	79,927	126,281	177,885	353	529	715	18	18	17
Individual income . . . . .	42,080	70,097	105,640	186	294	425	9	10	10
Corporation income . . . . .	13,321	19,158	23,566	59	80	95	3	3	2
Other . . . . .	19,636	30,500	38,915	87	128	156	4	4	4
Charges and miscellaneous . . . . .	75,830	141,732	211,081	335	594	849	17	20	21
Utility and liquor stores . . . . .	25,560	44,814	58,642	113	188	236	6	6	6
Water supply system . . . . .	6,766	11,980	17,674	30	50	71	2	2	2
Electric power system . . . . .	11,387	21,781	29,268	50	91	118	3	3	3
Transit system . . . . .	2,397	4,244	5,216	11	18	21	1	1	1
Gas supply system . . . . .	1,809	3,573	3,043	8	15	12	(Z)	1	(Z)
Liquor stores . . . . .	3,201	3,235	3,441	14	14	14	1	1	1
Insurance trust revenue <sup>3</sup> . . . . .	43,656	77,153	123,970	193	323	498	10	11	12
Employee retirement . . . . .	25,441	53,195	94,268	112	223	379	6	7	9
Unemployment compensation . . . . .	13,529	17,640	18,441	60	74	74	3	3	2
<b>Direct expenditure</b> . . . . .	<b>432,328</b>	<b>656,188</b>	<b>972,662</b>	<b>1,908</b>	<b>2,749</b>	<b>3,911</b>	<b>100</b>	<b>100</b>	<b>100</b>
By function:									
Direct general expenditure <sup>3</sup> . . . . .	367,340	552,197	831,540	1,621	2,313	3,343	85	84	86
Education <sup>3</sup> . . . . .	133,211	192,686	288,148	588	807	1,159	31	29	30
Elementary and secondary education . . . . .	92,930	131,987	202,009	410	553	812	22	20	21
Higher education . . . . .	33,919	52,316	73,418	150	219	295	8	8	8
Highways . . . . .	33,311	45,022	61,057	147	189	245	8	7	6
Public welfare . . . . .	45,552	69,577	107,287	201	291	431	11	11	11
Health . . . . .	8,387	13,711	24,223	37	57	97	2	2	3
Hospitals . . . . .	23,787	36,000	50,412	105	151	203	6	6	5
Police protection . . . . .	13,494	20,956	30,577	60	88	123	3	3	3
Fire protection . . . . .	5,718	8,917	13,186	25	37	53	1	1	1
Natural resources . . . . .	5,509	8,357	12,330	24	35	50	1	1	1
Sanitation and sewerage . . . . .	13,214	17,398	28,453	58	73	114	3	3	3
Housing and community development . . . . .	6,062	10,373	15,479	27	43	62	1	2	2
Parks and recreation . . . . .	6,520	9,160	14,326	29	38	58	2	1	2
Financial administration . . . . .	6,719	10,448	16,217	30	44	65	2	2	2
General control . . . . .	8,697	14,314	22,976	38	60	92	2	2	2
Interest on general debt <sup>4</sup> . . . . .	14,747	32,427	49,739	65	136	200	3	5	5
Utility and liquor stores <sup>4</sup> . . . . .	36,191	59,800	77,801	160	250	313	8	9	8
Water supply system . . . . .	9,228	14,298	22,101	41	60	89	2	2	2
Electric power system . . . . .	15,016	25,344	30,997	66	106	125	4	4	3
Transit system . . . . .	7,641	13,867	18,788	34	58	76	2	2	2
Gas supply system . . . . .	1,715	3,468	2,989	8	15	12	(Z)	1	(Z)
Liquor stores . . . . .	2,591	2,823	2,926	11	12	12	1	(Z)	(Z)
Insurance trust expenditure <sup>3</sup> . . . . .	28,797	44,191	63,321	127	185	255	7	7	7
Employee retirement . . . . .	14,008	24,414	38,355	62	102	154	3	4	4
Unemployment compensation . . . . .	12,070	14,995	16,499	53	63	66	3	2	2
By character and object:									
Current operation . . . . .	307,811	472,543	700,131	1,359	1,979	2,815	71	72	72
Capital outlay . . . . .	62,894	79,930	123,069	278	335	495	15	12	13
Construction . . . . .	51,492	60,685	89,114	227	254	358	12	9	9
Equipment, land and existing structures . . . . .	11,402	19,245	33,955	50	81	137	3	3	4
Assistance and subsidies . . . . .	15,222	20,707	27,227	67	87	109	4	3	3
Interest on debt (general and utility) . . . . .	17,604	38,817	58,914	78	163	237	4	6	6
Insurance benefits and repayments . . . . .	28,797	44,191	63,321	127	185	255	7	7	7
Expenditure for salaries and wages . . . . .	163,898	236,877	341,158	723	992	1,372	38	36	35
Debt outstanding, end of year . . . . .	335,603	571,351	860,584	1,481	2,393	3,460	100	100	100
Long-term . . . . .	322,456	551,768	841,278	1,423	2,311	3,383	96	97	98
Short-term . . . . .	13,147	19,583	19,306	58	82	78	4	3	2
Long-term debt:									
Issued . . . . .	42,364	101,164	108,468	187	424	436	(X)	(X)	(X)
Retired . . . . .	17,404	43,565	64,831	77	182	261	(X)	(X)	(X)

- Represents zero. X Not applicable. Z Less than .5 percent. <sup>1</sup> 1980 and 1990 based on enumerated resident population as of April 1, 1985 based on estimated resident population as of July 1 and do not reflect revisions based on the 1990 Census of Population. <sup>2</sup> Aggregates exclude duplicative transaction between State and local governments; see source. <sup>3</sup> Includes amounts not shown separately. <sup>4</sup> Interest on utility debt included in "utility expenditure." For total interest on debt, see "Interest on debt (general and utility)."

Source: U.S. Bureau of the Census, *Census of Governments: 1982, Historical Statistics on Governmental Finances and Employment* (GC 82(6)-4) and *Government Finances*, series GF, No. 5, annual.

**No. 457. State and Local Government Receipts and Expenditures in the National Income and Product Accounts: 1970 to 1990**

[In billions of dollars. For explanation of national income, see text, section 14]

ITEM	1970	1980	1983	1984	1985	1986	1987	1988	1989	1990
<b>Receipts . . . . .</b>	<b>129.0</b>	<b>361.4</b>	<b>443.4</b>	<b>492.2</b>	<b>528.7</b>	<b>571.2</b>	<b>594.3</b>	<b>631.3</b>	<b>677.0</b>	<b>724.5</b>
Personal tax and nontax receipts <sup>1</sup>	16.7	56.2	76.2	87.1	94.0	101.6	111.8	117.6	131.5	138.8
Income taxes	10.9	42.6	58.3	67.5	72.1	77.4	86.0	89.9	101.4	106.1
Nontaxes	1.4	5.0	7.6	8.7	9.9	11.4	11.9	12.7	14.1	15.5
Corporate profits tax accruals	3.7	14.5	15.9	18.8	20.2	22.7	23.9	26.0	24.1	23.2
Indirect business tax and nontax accruals <sup>1</sup>	74.8	172.3	226.6	251.7	271.4	292.0	306.5	324.5	349.1	373.4
Sales taxes	31.6	82.9	107.4	121.1	131.1	140.4	149.8	161.4	171.4	181.4
Property taxes	36.7	68.8	91.9	99.7	107.0	114.5	121.1	127.6	140.8	152.1
Contributions for social insurance	9.2	29.7	37.7	40.2	42.8	47.3	49.2	51.9	54.1	57.0
Federal grants-in-aid	24.4	88.7	87.0	94.4	100.3	107.6	102.8	111.3	118.2	132.2
<b>Expenditures . . . . .</b>	<b>127.2</b>	<b>336.6</b>	<b>403.2</b>	<b>434.1</b>	<b>472.6</b>	<b>517.0</b>	<b>554.2</b>	<b>593.0</b>	<b>635.9</b>	<b>698.8</b>
Purchases	112.6	298.0	360.3	389.9	428.1	465.3	496.6	531.7	570.0	618.0
Compensation of employees	71.1	193.5	243.9	261.9	283.2	305.9	327.3	351.9	379.1	409.8
Transfer payments to persons	20.1	65.7	85.9	93.5	101.2	110.9	119.6	130.0	143.3	163.5
Net interest paid <sup>2</sup>	1.8	19.3	30.9	34.0	38.7	40.4	41.2	44.2	49.9	53.7
Less: Dividends received	0.2	1.9	3.4	3.9	4.5	5.1	5.9	6.9	8.1	9.0
Subsidies <sup>3</sup>	-3.6	-5.8	-8.7	-11.4	-13.5	-13.7	-14.9	-17.5	-19.5	-20.0
<b>Surplus . . . . .</b>	<b>1.8</b>	<b>24.8</b>	<b>40.3</b>	<b>58.1</b>	<b>56.1</b>	<b>54.3</b>	<b>40.1</b>	<b>38.4</b>	<b>41.1</b>	<b>25.7</b>

<sup>1</sup> Includes other items not shown separately. <sup>2</sup> Interest paid less interest received. <sup>3</sup> Less current surplus of government.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, March 1992, and unpublished data.

**No. 458. New Issues of Long-Term State and Local Government Securities: 1970 to 1990**

[In billions of dollars. Beginning 1983, includes outlying areas]

ITEM	1970	1980	1983	1984	1985	1986	1987	1988	1989	1990
All issues, new capital and refunding . . . . .	18.2	48.5	85.1	108.0	222.2	151.2	105.7	116.8	125.1	128.0
General obligations	11.9	14.1	21.5	26.7	54.1	42.7	30.5	29.4	37.2	40.4
Revenue	6.1	34.3	63.6	81.3	168.1	108.5	75.2	87.4	87.9	87.6
Type of issuer:										
State	4.2	5.3	9.2	9.1	13.1	14.7	9.8	9.3	11.7	14.9
Special district and statutory authority	5.6	27.0	48.6	64.5	138.6	85.1	61.6	68.3	69.6	69.7
Municipalities, counties, townships <sup>1</sup>	8.4	16.1	27.3	34.3	70.5	51.4	34.3	39.2	44.0	43.4
Issues for new capital, total	18.1	46.7	71.1	95.2	160.0	80.8	55.3	77.2	81.1	93.4
Use of proceeds:										
Education	5.0	4.6	8.2	7.9	16.6	11.4	9.1	13.5	13.8	17.3
Transportation	3.2	2.6	4.4	7.6	12.1	7.8	3.9	7.1	9.0	10.9
Roads, bridges	1.5	1.1	1.3	2.0	4.7	4.2	1.7	2.4	2.9	2.9
Utilities and conservation	3.5	8.0	18.0	27.0	13.1	110.6	9.8	9.8	12.8	12.8
Electric and gas	0.9	3.4	6.3	6.8	10.9	5.1	1.8	0.7	2.3	2.0
Social welfare	1.2	19.4	25.4	29.4	63.3	12.5	10.5	16.6	14.8	19.2
Public housing	0.5	15.5	17.4	19.3	37.2	8.7	7.0	10.9	7.1	8.4
Industrial aid	0.1	1.7	3.6	15.7	14.1	4.7	2.4	2.5	3.4	2.8
Other	5.1	10.4	16.0	16.6	26.9	31.3	18.8	27.7	27.3	30.4

<sup>1</sup> Includes school districts.

Source: Public Securities Association, New York, NY, IDD/PSA Municipal Database.

**No. 459. State and Local Governments—Indebtedness: 1980 to 1990**

[In billions of dollars, except per capita. As of end of fiscal year; see text, section 9. Local government amounts are estimates subject to sampling variation; see source and Appendix III. See *Historical Statistics, Colonial Times to 1970*, series Y 680, Y 747, and Y 794, for debt outstanding]

ITEM	DEBT OUTSTANDING				LONG-TERM				
	Total	Per capita <sup>1</sup> (dol.)	Long-term		Short-term	Net long-term	Debt issued		
			Local schools <sup>2</sup>	Utilities					
<b>1980: Total . . . . .</b>	<b>335.6</b>	<b>1,482</b>	<b>32.3</b>	<b>55.2</b>	<b>235.0</b>	<b>13.1</b>	<b>262.9</b>	<b>42.4</b>	<b>17.4</b>
State . . . . .	122.0	540	3.8	4.6	111.5	2.1	79.8	16.4	5.7
Local . . . . .	213.6	942	28.5	50.6	123.5	11.0	183.1	25.9	11.7
<b>1985: Total . . . . .</b>	<b>568.6</b>	<b>2,382</b>	<b>43.8</b>	<b>90.8</b>	<b>414.5</b>	<b>19.6</b>	<b>430.5</b>	<b>101.2</b>	<b>43.5</b>
State . . . . .	211.9	890	6.7	8.6	193.8	2.8	110.4	41.7	16.4
Local . . . . .	356.7	1,494	37.1	82.2	220.6	16.8	320.1	59.5	27.2
<b>1989: Total . . . . .</b>	<b>798.4</b>	<b>3,216</b>	<b>52.7</b>	<b>127.5</b>	<b>600.2</b>	<b>18.0</b>	<b>445.5</b>	<b>102.2</b>	<b>63.8</b>
State . . . . .	295.5	1,190	3.7	12.2	277.4	2.3	118.2	42.0	26.9
Local . . . . .	502.9	2,026	49.0	115.3	322.8	15.7	327.2	60.2	36.8
<b>1990: Total . . . . .</b>	<b>860.6</b>	<b>3,460</b>	<b>60.4</b>	<b>134.8</b>	<b>646.1</b>	<b>19.3</b>	<b>477.0</b>	<b>108.5</b>	<b>64.8</b>
State . . . . .	318.3	1,280	4.4	12.3	298.8	2.8	125.5	43.5	22.9
Local . . . . .	542.3	2,181	56.0	122.4	347.4	16.5	351.5	65.0	42.0

<sup>1</sup> 1980 and 1990 based on enumerated resident population as of April 1; 1985 and 1989 based on estimated resident population as of July 1 and do not reflect revisions based on the 1990 Census of Population. <sup>2</sup> Includes debt for education activities other than higher education.

Source: U.S. Bureau of the Census, *Government Finances*, series GF, No. 5, annual, and unpublished data.

## No. 460. State Governments—Revenue,

[In millions of dollars, except as indicated. Data will not match other tables due to later revisions.]

YEAR, DIVISION, AND STATE	Total revenue <sup>1</sup>	GENERAL REVENUE							DEBT OUTSTANDING	
		Total		Per capita <sup>2</sup>		Intergovernmental revenue		Taxes	Charges and miscellaneous	
		Amount	Rank	Total (dol.)	Rank	From Federal Government	From local governments			
1970 . . . . .	88,939	77,755	(X)	384	(X)	12,252	995	47,962	9,545	42,008
1980 . . . . .	276,962	233,592	(X)	1,034	(X)	61,892	2,434	137,075	32,190	121,958
1985 . . . . .	439,416	365,835	(X)	1,536	(X)	84,434	5,453	215,893	60,055	211,917
1986 . . . . .	481,279	393,475	(X)	1,636	(X)	92,666	5,908	228,053	66,848	247,715
1987 . . . . .	517,217	419,487	(X)	1,728	(X)	95,463	6,918	246,933	70,173	265,551
1988 . . . . .	541,426	445,138	(X)	1,815	(X)	100,478	6,763	264,146	73,751	276,786
1989 . . . . .	586,931	482,721	(X)	1,948	(X)	108,235	7,530	284,413	82,543	295,500
U.S., 1990 . . . . .	625,473	517,443	(X)	2,086	(X)	118,353	7,995	300,489	90,607	318,237
New England:										
Maine . . . . .	3,246	2,848	40	2,319	16	691	5	1,561	591	2,125
New Hampshire . . . . .	1,922	1,563	48	1,410	50	374	57	595	538	3,338
Vermont . . . . .	1,592	1,433	49	2,545	11	394	(Z)	666	373	1,259
Massachusetts . . . . .	17,034	15,774	10	2,622	8	3,307	293	9,369	2,805	18,715
Rhode Island . . . . .	3,034	2,484	41	2,568	9	667	44	1,233	540	3,616
Connecticut . . . . .	9,591	8,636	20	2,627	7	1,753	4	5,268	1,611	10,988
Middle Atlantic:										
New York . . . . .	64,253	52,441	2	2,915	5	12,902	4,234	28,615	6,690	46,547
New Jersey . . . . .	22,624	18,275	9	2,364	13	3,644	132	10,434	4,065	18,908
Pennsylvania . . . . .	27,223	21,951	4	1,847	37	5,269	65	13,220	3,397	10,926
East North Central:										
Ohio . . . . .	28,516	19,968	7	1,841	38	4,767	217	11,436	3,548	11,209
Indiana . . . . .	11,456	10,702	17	1,930	29	2,255	75	6,102	2,270	4,140
Illinois . . . . .	24,313	20,840	5	1,823	39	4,489	103	12,891	3,357	15,262
Michigan . . . . .	23,405	19,708	8	2,120	21	4,181	507	11,343	3,676	9,170
Wisconsin . . . . .	13,388	10,975	16	2,244	18	2,365	80	6,558	1,972	6,119
West North Central:										
Minnesota . . . . .	13,162	10,991	15	2,512	12	2,274	117	6,819	1,782	3,764
Iowa . . . . .	6,728	5,829	29	2,099	23	1,291	69	3,313	1,156	1,875
Missouri . . . . .	9,343	8,012	21	1,566	48	1,804	15	4,939	1,253	5,250
North Dakota . . . . .	1,810	1,629	47	2,549	10	443	19	677	489	872
South Dakota . . . . .	1,494	1,310	50	1,862	33	451	7	500	352	1,787
Nebraska . . . . .	3,073	2,856	39	1,810	40	681	17	1,513	645	1,361
Kansas . . . . .	5,136	4,386	33	1,770	41	958	17	2,669	741	306
South Atlantic:										
Delaware . . . . .	2,316	2,104	43	3,159	4	307	3	1,130	665	2,978
Maryland . . . . .	12,195	10,445	18	2,185	19	2,095	93	6,450	1,806	6,644
Virginia . . . . .	13,607	11,630	12	1,880	34	2,105	185	6,600	2,739	6,083
West Virginia . . . . .	4,435	3,814	37	2,127	20	942	6	2,230	636	2,471
North Carolina . . . . .	14,485	12,345	11	1,862	36	2,648	240	7,865	1,592	3,071
South Carolina . . . . .	8,750	6,930	26	1,987	27	1,728	90	3,934	1,178	3,894
Georgia . . . . .	13,108	11,190	14	1,727	44	2,877	56	7,078	1,179	3,117
Florida . . . . .	23,868	20,626	6	1,594	47	3,999	155	13,289	3,182	9,950
East South Central:										
Kentucky . . . . .	8,593	7,347	24	1,994	26	1,794	12	4,261	1,279	5,295
Tennessee . . . . .	9,110	7,987	22	1,638	46	2,479	42	4,245	1,223	2,618
Alabama . . . . .	9,041	7,595	23	1,879	35	2,060	65	3,820	1,650	3,979
Mississippi . . . . .	5,344	4,523	32	1,758	42	1,492	13	2,396	622	1,343
West South Central:										
Arkansas . . . . .	4,511	4,056	35	1,725	45	1,143	5	2,261	647	1,747
Louisiana . . . . .	10,096	8,924	19	2,115	22	2,399	16	4,087	2,423	12,770
Oklahoma . . . . .	7,201	5,977	27	1,900	31	1,345	41	3,477	1,114	3,714
Texas . . . . .	30,975	25,959	3	1,528	49	6,499	36	14,717	4,707	7,864
Mountain:										
Montana . . . . .	2,225	1,829	45	2,289	17	548	15	858	409	1,396
Idaho . . . . .	2,417	1,994	44	1,980	28	494	15	1,139	346	977
Wyoming . . . . .	1,900	1,657	46	3,649	2	504	22	612	519	938
Colorado . . . . .	7,527	5,783	30	1,756	43	1,362	30	3,069	1,322	2,422
New Mexico . . . . .	4,731	4,072	34	2,688	6	779	58	2,014	1,221	1,830
Arizona . . . . .	8,598	6,983	25	1,905	30	1,293	247	4,377	1,067	2,193
Utah . . . . .	4,302	3,530	38	2,049	25	966	36	1,768	759	1,790
Nevada . . . . .	3,266	2,270	42	1,889	32	366	15	1,583	306	1,573
Pacific:										
Washington . . . . .	14,999	11,496	13	2,362	14	2,246	56	7,423	1,771	5,686
Oregon . . . . .	7,001	5,830	28	2,051	24	1,638	30	2,786	1,376	6,558
California . . . . .	88,704	69,251	1	2,327	15	16,051	327	43,419	9,454	28,866
Alaska . . . . .	5,500	4,842	31	8,804	1	623	5	1,546	2,668	5,536
Hawaii . . . . .	4,326	3,842	36	3,457	3	610	5	2,335	892	3,396

X Not applicable. Z Less than \$500,000. <sup>1</sup> Includes liquor stores, utilities, and insurance trust activities, not shown separately. <sup>2</sup> 1970, 1980, and 1990 based on enumerated resident population as of April 1. All other years based on estimated resident population as of July 1; estimates do not reflect revisions based on the 1990 Census of Population.

## Debt, and Expenditure 1970 to 1990, and by State, 1990

For fiscal year ending in year shown; see text, section 9]

DEBT OUT-STAND-ING—Con.		Total expenditures <sup>1</sup>	GENERAL EXPENDITURES							YEAR, DIVISION, AND STATE		
Per capita <sup>2</sup>			Total <sup>3</sup>			Selected functions						
Total (dol.)	Rank		Amount	Per capita <sup>2</sup>	Rank	Education	Public welfare	Highways	Health and hospitals			
207	(X)	85,055	77,642	383	(X)	30,865	13,206	13,483	5,355	2,223	1970	
540	(X)	257,812	228,223	1,010	(X)	87,939	44,219	25,044	17,855	4,346	1980	
89	(X)	390,742	345,047	1,449	(X)	128,604	67,264	33,154	27,595	6,758	1985	
1,030	(X)	424,205	376,429	1,565	(X)	140,189	72,464	36,661	30,131	7,312	1986	
1,094	(X)	455,700	403,942	1,664	(X)	149,901	78,454	38,273	32,131	7,816	1987	
1,129	(X)	484,667	432,179	1,763	(X)	158,500	84,235	40,681	34,872	8,310	1988	
1,194	(X)	525,077	469,269	1,895	(X)	173,184	92,750	42,694	38,602	9,070	1989	
1,283	(X)	571,909	507,875	2,047	(X)	184,529	104,971	44,249	42,662	9,909	U.S., 1990	
											N.E.: M.A.: E.N.C.: W.N.C.: S.A.: E.S.C.: W.S.C.: Mt.: Pac.: W.A.: O.R.: C.A.: A.K.: H.I.:	
1,731	16	3,044	2,743	2,234	16	942	689	244	162	73	ME	
2,793	8	1,972	1,676	1,512	48	401	328	207	143	33	NH	
2,236	13	1,565	1,466	2,603	9	516	274	147	66	42	VT	
3,111	5	18,736	17,039	2,832	5	3,496	4,604	616	1,635	149	MA	
3,605	3	3,014	2,658	2,741	7	782	547	189	256	23	RI	
3,343	4	9,886	8,880	2,702	8	2,178	1,701	985	955	71	CT	
2,587	9	59,139	49,697	2,763	6	14,266	14,820	2,228	5,018	378	NY	
2,446	11	21,454	18,041	2,334	15	5,390	3,456	1,324	1,237	201	NJ	
920	36	24,531	21,234	1,787	37	6,975	5,186	2,275	1,667	331	PA	
1,033	29	25,237	20,489	1,889	32	7,720	5,058	1,700	1,585	237	OH	
747	40	10,414	9,992	1,802	36	4,235	1,930	974	714	124	IN	
1,335	21	22,072	20,055	1,754	41	6,488	4,437	2,190	1,393	279	IL	
987	31	23,098	19,561	2,104	19	6,418	4,543	1,355	2,491	255	MI	
1,251	23	11,416	10,499	2,146	17	3,685	2,221	796	692	196	WI	
860	38	11,355	10,407	2,379	12	3,774	2,064	1,001	815	256	MN	
675	43	6,317	5,935	2,137	18	2,418	1,112	738	532	145	IA	
1,026	30	8,326	7,703	1,505	49	3,274	1,377	779	676	188	MO	
1,365	20	1,755	1,587	2,483	11	592	226	202	86	73	ND	
2,568	10	1,344	1,281	1,841	33	377	187	186	90	51	SD	
863	37	2,885	2,815	1,784	39	907	498	409	288	98	NE	
124	50	4,705	4,329	1,747	42	1,845	732	544	380	121	KS	
4,471	2	2,128	1,994	2,994	4	709	228	191	147	33	DE	
1,390	18	11,296	9,832	2,057	21	2,865	1,864	1,241	831	235	MD	
983	33	12,632	11,850	1,920	30	4,723	1,484	1,680	1,265	169	VA	
1,378	19	4,212	3,530	1,969	25	1,454	632	451	192	85	WV	
463	48	13,493	12,555	1,894	31	5,966	1,833	1,335	960	278	NC	
1,117	27	7,910	6,775	1,943	28	2,843	1,078	487	787	143	SC	
481	47	12,213	11,393	1,759	40	5,048	2,125	1,008	955	288	GA	
769	39	21,723	20,558	1,589	47	7,829	3,529	1,733	1,786	616	FL	
1,437	17	7,772	7,101	1,927	29	2,945	1,419	718	441	211	KY	
537	45	8,403	7,879	1,616	46	2,821	1,675	1,029	646	110	TN	
985	32	8,108	7,400	1,831	34	3,380	1,049	716	893	143	AL	
522	46	4,838	4,394	1,708	44	1,883	696	411	340	129	MS	
743	41	4,223	3,930	1,672	45	1,686	788	420	328	106	AR	
3,026	7	9,420	8,524	2,020	23	3,177	1,342	740	848	207	LA	
1,181	25	6,515	5,612	1,784	38	2,369	1,090	662	531	96	OK	
463	49	26,027	23,630	1,391	50	10,973	4,189	2,730	1,818	364	TX	
1,747	15	2,007	1,651	2,066	20	576	276	252	97	86	MT	
970	34	2,047	1,831	1,818	35	751	228	288	80	87	ID	
2,067	14	1,641	1,485	3,270	2	524	110	250	93	85	WY	
735	42	6,510	5,627	1,708	43	2,491	902	628	372	131	CO	
1,208	24	4,172	3,891	2,568	10	1,681	436	386	319	77	NM	
598	44	8,265	7,535	2,056	22	2,759	1,077	1,489	316	117	AZ	
1,039	28	3,857	3,471	2,014	24	1,663	458	349	334	80	UT	
1,308	22	2,929	2,366	1,968	26	846	219	295	94	56	NV	
1,168	26	13,567	11,389	2,340	14	5,082	2,098	864	798	350	WA	
2,308	12	6,352	5,563	1,957	27	1,730	934	651	502	185	OR	
970	35	78,867	70,189	2,359	13	26,906	16,421	3,512	5,520	1,775	CA	
10,065	1	4,688	4,284	7,790	1	1,057	368	464	176	208	AK	
3,065	6	3,832	3,547	3,201	3	1,113	431	202	311	134	HI	

<sup>3</sup> Includes amounts not shown separately.

## No. 461. State Governments—Summary of Finances: 1980 to 1990

[For fiscal years ending in year shown; see text section 9. See also *Historical Statistics, Colonial Times to 1970*, series Y 710-782.]

ITEM	TOTAL (mil. dol.)			PER CAPITA <sup>1</sup> (dol.)			PERCENT DISTRIBUTION		
	1980	1985	1990	1980	1985	1990	1980	1985	1990
<b>Borrowing and revenue</b>	<b>293,356</b>	<b>476,501</b>	<b>672,637</b>	<b>1,299</b>	<b>2,001</b>	<b>2,684</b>	<b>100</b>	<b>100</b>	<b>100</b>
Borrowing	16,394	37,547	40,465	73	158	163	6	8	6
Revenue	276,962	438,954	632,172	1,226	1,843	2,521	94	92	94
General revenue	233,592	365,344	517,429	1,034	1,534	2,086	80	77	78
Taxes	137,075	215,320	300,489	607	904	1,211	47	45	45
Sales and gross receipts	67,855	105,325	147,069	300	442	593	23	22	22
General	43,168	69,629	99,702	191	292	402	15	15	15
Motor fuels	9,722	13,352	19,379	43	56	78	3	3	3
Alcoholic beverages	2,478	3,031	3,191	11	13	13	1	1	1
Tobacco products	3,738	4,247	5,541	17	18	22	1	1	1
Other	8,750	15,066	19,256	39	63	78	3	3	3
Licenses	8,690	13,546	18,842	38	57	76	3	3	3
Motor vehicles	4,936	7,045	9,848	22	30	40	2	2	2
Corporations in general	1,388	2,767	3,099	6	12	12	1	1	1
Other	2,366	3,734	5,895	10	16	22	1	1	1
Individual income	37,089	63,644	96,076	164	267	387	13	13	14
Corporation net income	13,321	17,637	21,751	59	74	88	5	4	3
Property	2,892	3,984	5,848	13	17	24	1	1	1
Other	7,227	11,184	10,903	32	47	44	3	2	2
Charges and miscellaneous	32,190	60,102	90,612	142	252	365	11	13	14
Intergovernmental revenue	64,326	89,922	126,329	285	378	509	22	19	19
From Federal Government	61,892	84,469	118,353	274	355	477	21	18	18
Public welfare	24,680	38,664	59,397	109	162	239	8	8	9
Education	12,785	15,307	21,271	57	64	86	4	3	3
Highways	8,860	12,702	13,931	39	53	56	3	3	2
Other	15,587	17,796	23,754	69	75	96	5	4	4
From local governments	2,434	5,453	7,976	11	23	32	1	1	1
Utility revenue	1,304	2,948	3,305	6	12	13	(Z)	1	1
Liquor stores revenue <sup>2</sup>	2,765	2,753	2,907	12	12	12	1	1	(Z)
Insurance trust revenue <sup>2</sup>	39,301	67,907	108,530	174	285	410	13	14	15
Employee retirement	21,146	43,993	78,898	94	185	291	7	9	11
Unemployment compensation	13,468	17,596	18,370	60	74	74	5	4	3
<b>Expenditure and debt redemption</b>	<b>263,494</b>	<b>402,536</b>	<b>592,194</b>	<b>1,166</b>	<b>1,691</b>	<b>2,385</b>	<b>100</b>	<b>100</b>	<b>100</b>
Debt redemption	5,682	11,708	19,876	25	49	80	2	3	3
Expenditure <sup>3</sup>	257,812	390,828	572,318	1,141	1,641	2,305	98	97	97
General expenditure	228,223	345,133	508,284	1,010	1,449	2,047	87	86	86
Education	87,939	128,604	184,935	389	540	744	33	32	31
Public welfare	44,219	67,317	104,971	96	283	423	17	17	18
Highways	25,044	33,186	44,249	111	139	178	10	8	8
Health and hospitals	17,855	27,595	42,665	79	116	172	7	7	7
Corrections	4,449	9,171	17,266	20	39	70	2	2	3
Natural resources	4,346	6,758	9,909	19	28	40	2	2	2
General control	3,232	5,231	8,384	14	22	34	1	1	1
Financial administration	3,031	4,996	8,616	13	21	35	1	1	2
Police protection	2,263	3,518	5,166	10	15	21	1	1	1
Employment security	2,001	2,606	3,003	9	11	12	1	1	1
Housing and community development	601	1,540	2,856	3	6	12	(Z)	(Z)	1
Misc. and unallocable	33,242	54,611	76,264	147	229	307	13	14	13
Utility expenditure	2,401	5,364	7,131	11	23	29	1	1	1
Liquor stores expenditure <sup>2</sup>	2,206	2,391	2,452	10	10	10	1	1	(Z)
Insurance trust expenditure <sup>2</sup>	24,981	37,940	54,452	111	159	219	10	9	9
Employee retirement	10,256	18,230	29,562	45	77	119	4	5	5
Unemployment compensation	12,006	14,928	16,423	53	63	66	5	4	3
By character and object									
Intergovernmental expenditure	84,504	121,571	175,028	374	511	706	32	30	30
Direct expenditure	173,307	269,257	397,291	769	1,131	1,599	66	67	67
Current operation	108,131	172,210	258,046	479	723	1,038	41	43	44
Capital outlay	23,325	30,657	45,524	103	129	183	9	8	8
Construction	19,736	23,877	34,803	87	100	140	8	6	6
Land and existing structures	1,345	1,833	3,471	6	8	14	1	1	1
Equipment	2,243	4,947	7,250	10	21	29	1	1	1
Assistance and subsidies	9,818	12,842	16,902	43	54	68	4	3	3
Interest on debt	7,052	15,608	22,367	31	66	90	3	4	4
Insurance benefits <sup>4</sup>	24,981	37,940	54,452	111	159	219	10	9	9
<b>Debt outstanding, end of year</b>	<b>121,958</b>	<b>211,904</b>	<b>318,237</b>	<b>540</b>	<b>890</b>	<b>1,283</b>	<b>100</b>	<b>100</b>	<b>100</b>
Long-term	119,821	209,112	315,473	530	878	1,272	98	99	99
Full-faith and credit	49,364	60,432	74,965	219	254	302	41	29	24
Nonguaranteed	70,457	148,680	240,508	312	624	969	58	70	76
Short-term	2,137	2,792	2,764	9	12	11	2	1	1
Net long-term	79,810	110,348	125,507	353	463	506	65	52	39
Full-faith and credit only	39,357	47,779	63,475	174	201	256	32	23	20

Z Less than .05 percent. <sup>1</sup> 1980 and 1990 based on enumerated resident population as of April 1. 1985 based on estimated resident population as of July 1 and do not reflect revisions based on the 1990 Census of Population. <sup>2</sup> Includes other items not shown separately. <sup>3</sup> Intergovernmental and direct. <sup>4</sup> Includes repayments.

Source: U.S. Bureau of the Census, *1982 Census of Governments: Historical Statistics on Government Finances and Employment* (GC82(6)-4) and *State Government Finances*, series GF, No. 3, annual.

## No. 462. State Resources, Expenditures, and Balances: 1990 to 1992

[Fiscal year data; see text; section 9. General funds exclude special funds earmarked for particular purposes, such as highway trust funds and federal funds; they support most on-going broad-based State services, and are available for appropriation to support any governmental activity. Minus sign (-) indicates deficit]

STATE	EXPENDITURES BY FUND SOURCE				STATE GENERAL FUND						
	Total, 1990 (mil. dol.)	1991 <sup>1</sup>			Resources <sup>3,4</sup>		Expenditures <sup>4</sup>		Balance <sup>5</sup>		
		Total <sup>2</sup> (mil. dol.)	General fund (per- cent)	Federal funds (per- cent)	Other State funds (per- cent)	1991 (mil. dol.)	1992 <sup>1</sup> (mil. dol.)	1991 (mil. dol.)	1992 <sup>1</sup> (mil. dol.)	1991 (mil. dol.)	
United States . . .	501,193	550,102	52	23	22	295,512	307,353	292,498	307,020	3,057	325
<b>New England:</b>											
Maine . . . . .	2,651	2,915	56	24	15	1,585	1,519	1,581	1,518	4	1
New Hampshire . . . . .	1,392	1,454	43	27	27	618	699	643	703	25	-4
Vermont . . . . .	1,223	1,291	48	28	21	577	608	643	659	-65	-51
Massachusetts . . . . .	17,196	17,174	42	20	33	13,870	13,694	13,633	13,577	237	117
Rhode Island . . . . .	2,246	2,293	64	23	9	1,450	1,757	1,446	1,747	4	81
Connecticut . . . . .	9,446	9,662	68	14	12	5,661	6,956	6,626	6,956	-966	-
<b>Middle Atlantic:</b>											
New York . . . . .	46,361	49,177	57	22	17	28,898	29,824	28,898	29,824	-	-
New Jersey . . . . .	16,408	18,073	68	22	7	12,188	14,972	12,187	14,569	1	403
Pennsylvania . . . . .	21,814	24,650	51	25	21	11,967	13,637	12,421	13,635	-454	2
<b>East North Central:</b>											
Ohio . . . . .	21,105	23,082	43	24	30	12,863	13,271	12,727	13,280	135	-8
Indiana . . . . .	9,011	9,930	60	26	13	5,933	5,830	5,823	5,778	109	52
Illinois . . . . .	18,845	20,590	54	16	26	11,602	12,105	11,502	11,995	100	110
Michigan . . . . .	17,511	18,423	42	25	33	7,560	7,058	7,729	7,843	-169	-785
Wisconsin . . . . .	11,019	11,805	54	21	24	6,478	6,704	6,364	6,586	114	118
<b>West North Central:</b>											
Minnesota . . . . .	9,986	11,098	63	19	16	7,459	6,752	6,904	6,496	555	256
Iowa . . . . .	7,001	7,419	43	21	36	3,142	3,210	3,131	3,202	11	8
Missouri . . . . .	8,020	8,566	50	21	29	4,281	4,369	4,241	4,335	40	34
North Dakota . . . . .	1,519	1,503	35	36	27	628	654	523	587	105	67
South Dakota . . . . .	1,162	1,306	37	39	24	534	570	523	570	11	-
Nebraska . . . . .	2,750	3,376	44	21	35	1,634	1,675	1,460	1,534	174	141
Kansas . . . . .	4,761	5,187	48	20	31	2,657	2,619	2,495	2,495	162	125
<b>South Atlantic:</b>											
Delaware . . . . .	2,203	2,283	54	12	26	1,327	1,346	1,213	1,238	114	108
Maryland . . . . .	11,312	11,734	53	18	24	6,199	6,152	6,199	6,139	-	13
Virginia . . . . .	12,298	13,130	48	16	34	6,331	6,289	6,331	6,261	-	28
West Virginia . . . . .	3,680	4,042	47	25	25	1,977	2,009	1,888	1,985	89	24
North Carolina . . . . .	11,765	12,617	61	21	18	7,562	7,983	7,562	7,883	-	101
South Carolina . . . . .	7,683	8,422	42	27	28	3,524	3,447	3,462	3,385	62	62
Georgia . . . . .	11,817	12,616	60	22	15	7,404	7,455	7,373	7,455	35	-
Florida . . . . .	22,812	27,076	39	17	41	11,085	11,127	10,943	11,127	142	-
<b>East South Central:</b>											
Kentucky . . . . .	7,740	9,814	44	24	24	4,358	4,640	4,188	4,613	170	27
Tennessee . . . . .	7,549	8,186	49	31	17	3,870	3,874	3,863	3,860	7	14
Alabama . . . . .	7,383	8,025	43	50	6	3,387	3,338	3,386	3,338	1	-
Mississippi . . . . .	4,082	4,717	42	34	24	1,949	1,928	1,945	1,928	4	1
<b>West South Central:</b>											
Arkansas . . . . .	4,555	4,789	39	26	35	1,879	1,928	1,879	1,928	-	-
Louisiana . . . . .	8,483	9,505	47	28	23	4,938	4,466	4,520	4,466	418	-
Oklahoma . . . . .	5,920	6,694	45	24	31	3,246	3,400	3,067	3,184	179	216
Texas . . . . .	23,531	26,324	58	23	17	16,243	17,040	15,514	17,469	729	-428
<b>Mountain:</b>											
Montana . . . . .	1,764	2,002	23	26	48	509	536	450	520	59	16
Idaho . . . . .	1,815	2,050	46	31	24	951	997	917	997	34	-
Wyoming . . . . .	1,366	1,406	29	22	48	480	395	434	393	46	3
Colorado . . . . .	5,292	5,441	50	25	26	2,690	2,859	2,673	2,783	16	76
New Mexico . . . . .	3,634	3,828	50	22	27	1,864	2,073	1,928	2,074	(6)	-1
Arizona . . . . .	5,985	7,159	47	31	19	3,381	3,517	3,336	3,512	45	5
Utah . . . . .	3,212	3,479	50	21	27	1,776	1,876	1,742	1,851	34	24
Nevada . . . . .	(NA)	(NA)	(NA)	(NA)	(NA)	991	1,044	928	1,001	64	43
<b>Pacific:</b>											
Washington . . . . .	11,350	13,380	54	19	24	7,492	7,569	7,024	7,867	468	-98
Oregon . . . . .	6,987	7,570	31	15	54	2,744	2,977	2,364	2,687	380	290
California . . . . .	67,247	75,896	55	28	12	39,005	42,374	40,264	43,718	-1,259	-1,344
Alaska . . . . .	3,726	3,755	66	20	14	3,598	3,078	2,807	2,901	791	177
Hawaii . . . . .	4,375	5,190	54	12	15	3,146	3,151	2,799	2,769	347	382

<sup>1</sup> Represents zero. <sup>2</sup> NA Not available. <sup>3</sup> Estimated. <sup>4</sup> Includes bonds not shown separately. <sup>5</sup> Includes funds budgeted, adjustments, and balances from previous year. <sup>6</sup> May or may not include budget stabilization fund transfers, depending on State accounting practices. <sup>7</sup> Resources less expenditures. <sup>8</sup> Ending balance is held in a budget stabilization fund.

Source: National Association of State Budget Officers, Washington, DC, *State Expenditure Report 1991*, and National Governors' Association and NASBO, *Fiscal Survey of the States*, semi-annual (copyright).

**No. 463. State Government Tax Collections and Excise Taxes, 1970-90, and by State, 1990**

[Tax collections for fiscal years ending in year shown; see text, section 9, Excise tax rates as of September 1. Collections include local shares of State-imposed taxes. 1990 tax collections preliminary]

YEAR, REGION, DIVISION, AND STATE	STATE TAX COLLECTIONS (mil. dol.)							EXCISE TAX RATES		
	Total <sup>1</sup>	Sales and gross receipts			Individual income	Corporation net income	Motor vehicle and operators' licenses	General sales and gross receipts (percent) <sup>2</sup>	Cigarettes (cents per package)	Gasoline (cents per gal.)
		Total <sup>1</sup>	General sales and gross receipts	Motor fuels						
1970 <sup>3</sup>	47,962	27,254	14,177	6,283	3,728	9,183	3,738	2,728	(X)	(X)
1975 <sup>3</sup>	80,155	43,346	24,780	8,255	5,249	18,819	6,642	3,941	(X)	(X)
1980 <sup>3</sup>	137,075	67,855	43,168	9,722	6,216	37,089	13,321	5,325	(X)	(X)
1985 <sup>3</sup>	215,893	105,419	69,633	13,344	7,393	63,908	17,631	7,780	(X)	(X)
<b>1990 <sup>3</sup></b>	<b>300,489</b>	<b>147,069</b>	<b>99,702</b>	<b>19,379</b>	<b>8,732</b>	<b>96,076</b>	<b>21,751</b>	<b>10,675</b>	<b>(X)</b>	<b>(X)</b>
<b>Northeast</b>	<b>70,961</b>	<b>29,696</b>	<b>18,960</b>	<b>2,659</b>	<b>1,937</b>	<b>28,282</b>	<b>5,935</b>	<b>2,151</b>	<b>(X)</b>	<b>(X)</b>
<b>New England</b>	<b>18,692</b>	<b>6,337</b>	<b>5,441</b>	<b>956</b>	<b>591</b>	<b>6,820</b>	<b>1,832</b>	<b>709</b>	<b>(X)</b>	<b>(X)</b>
Maine	1,561	773	509	138	77	581	58	55	5 F&D	31
New Hampshire	595	271	(X)	81	50	41	127	58	(X)	25
Vermont	666	321	136	54	26	251	27	39	4 F&D	17
Massachusetts	9,369	2,852	1,956	302	223	4,910	871	319	5 F&D	26
Rhode Island	1,233	645	397	73	49	427	69	40	7 F&D	37
Connecticut	5,268	3,475	2,443	308	166	610	680	198	8 F&D	40
<b>Middle Atlantic</b>	<b>52,269</b>	<b>21,359</b>	<b>13,519</b>	<b>1,703</b>	<b>1,346</b>	<b>21,462</b>	<b>4,103</b>	<b>1,442</b>	<b>(X)</b>	<b>(X)</b>
New York	28,615	9,368	6,003	544	733	15,289	1,885	604	4 F&D	39
New Jersey	10,434	5,444	3,291	414	256	2,952	1,123	363	7 F&D	40
Pennsylvania	13,220	6,547	4,225	745	357	3,221	1,095	475	6 F&D	18
<b>Midwest</b>	<b>68,760</b>	<b>32,842</b>	<b>21,984</b>	<b>5,451</b>	<b>1,988</b>	<b>24,454</b>	<b>5,439</b>	<b>2,924</b>	<b>(X)</b>	<b>(X)</b>
<b>East North Central</b>	<b>48,330</b>	<b>23,004</b>	<b>15,389</b>	<b>3,721</b>	<b>1,376</b>	<b>17,055</b>	<b>4,176</b>	<b>1,927</b>	<b>(X)</b>	<b>(X)</b>
Ohio	11,436	5,752	3,589	971	285	4,125	643	411	45 F&D	18
Indiana	6,102	3,972	2,551	565	148	2,090	341	178	5 F&D	15.5
Illinois	12,881	6,468	4,077	916	385	4,288	939	651	5 F&D	30
Michigan	11,343	4,414	3,188	740	377	3,927	1,816	509	4 F&D	25
Wisconsin	6,558	2,998	1,984	529	181	2,625	437	178	45 F&D	30
<b>West North Central</b>	<b>20,430</b>	<b>9,838</b>	<b>6,575</b>	<b>1,730</b>	<b>612</b>	<b>7,399</b>	<b>1,263</b>	<b>997</b>	<b>(X)</b>	<b>(X)</b>
Minnesota	6,819	2,966	1,870	461	209	2,877	482	339	46 F&D	38
Iowa	3,313	1,471	944	334	96	1,272	200	221	4 F&D	31
Missouri	4,939	2,509	1,899	355	102	1,791	221	213	4,225 D	13
North Dakota	677	380	231	67	20	106	47	41	5 F&D	30
South Dakota	500	403	250	80	23	(X)	31	21	4 F&D	23
Nebraska	1,513	827	508	209	54	496	72	59	45 F&D	27
Kansas	2,669	1,282	873	224	106	857	210	103	4,25 D	24
<b>South</b>	<b>87,840</b>	<b>51,452</b>	<b>33,871</b>	<b>7,769</b>	<b>3,108</b>	<b>19,898</b>	<b>4,410</b>	<b>3,250</b>	<b>(X)</b>	<b>(X)</b>
<b>South Atlantic</b>	<b>45,576</b>	<b>26,069</b>	<b>17,741</b>	<b>3,713</b>	<b>1,549</b>	<b>14,557</b>	<b>2,879</b>	<b>1,516</b>	<b>(X)</b>	<b>(X)</b>
Delaware	1,130	159	(X)	64	17	456	118	24	(X)	19
Maryland	6,450	2,712	1,572	450	86	2,864	293	156	5 F&D	13
Dist. of Col.	23,110	674	467	30	15	638	140	18	6 F&D	17
Virginia	6,600	2,644	1,353	622	100	3,082	306	264	4,5 D	2.5
West Virginia	2,230	1,193	765	209	41	517	222	76	6 D	17
North Carolina	7,865	3,192	1,773	793	166	3,390	612	262	4,3 D	2
South Carolina	3,934	2,137	1,448	358	144	1,380	151	89	5 D	7
Georgia	7,078	3,454	2,639	441	204	2,868	478	100	4 D	12
Florida	13,289	10,578	8,191	776	791	(X)	699	545	46 F&D	33.9
<b>East South Central</b>	<b>14,722</b>	<b>8,751</b>	<b>5,559</b>	<b>1,592</b>	<b>467</b>	<b>2,864</b>	<b>911</b>	<b>530</b>	<b>(X)</b>	<b>(X)</b>
Kentucky	4,261	1,911	1,088	360	64	1,210	279	154	46 F&D	3
Tennessee	4,245	3,268	2,344	630	143	1,03	332	172	5,5 D	13
Alabama	3,820	2,003	1,038	294	176	1,121	180	137	4 D	16.5
Mississippi	2,396	1,569	1,089	308	84	430	120	67	6 D	18
<b>West South Central</b>	<b>24,542</b>	<b>16,632</b>	<b>10,571</b>	<b>2,464</b>	<b>1,092</b>	<b>2,477</b>	<b>620</b>	<b>1,204</b>	<b>(X)</b>	<b>(X)</b>
Arkansas	2,261	1,210	839	219	87	739	130	80	4 D	21
Louisiana	4,087	2,035	1,263	399	111	737	394	80	4 D	20
Oklahoma	3,477	1,541	844	331	127	1,001	96	275	4,5 D	23
Texas	14,717	11,846	7,625	1,515	767	(X)	769	4,25 F&D	41	15
<b>West</b>	<b>72,929</b>	<b>33,082</b>	<b>24,908</b>	<b>3,498</b>	<b>1,698</b>	<b>23,443</b>	<b>5,968</b>	<b>2,348</b>	<b>(X)</b>	<b>(X)</b>
<b>Mountain</b>	<b>15,420</b>	<b>8,279</b>	<b>5,633</b>	<b>1,324</b>	<b>362</b>	<b>4,097</b>	<b>612</b>	<b>726</b>	<b>(X)</b>	<b>(X)</b>
Montana	858	183	(X)	112	25	280	80	39	(X)	18
Idaho	1,139	559	383	108	27	403	73	60	5 D	18
Wyoming	612	217	162	37	6	(X)	43	43	4,2 D	12
Colorado	3,069	1,337	825	325	81	1,342	123	122	4,3 F&D	20
New Mexico	2,014	1,136	836	165	35	361	62	105	4,5 D	15
Arizona	4,377	2,575	1,918	333	87	1,064	180	237	4 F&D	17
Utah	1,768	915	707	132	38	647	94	48	4,5 D	23
Nevada	1,583	1,357	802	112	63	(X)	72	4,5 F&D	35	16.25
<b>Pacific</b>	<b>57,509</b>	<b>24,803</b>	<b>19,275</b>	<b>2,174</b>	<b>1,336</b>	<b>19,346</b>	<b>5,356</b>	<b>1,622</b>	<b>(X)</b>	<b>(X)</b>
Washington	7,423	5,564	4,471	484	252	(X)	(X)	191	6.5 F&D	34
Oregon	2,786	394	(X)	236	89	1,827	148	232	(X)	28
California	43,419	17,270	13,627	1,359	909	16,824	4,928	1,158	4 F&D	35
Alaska	1,546	91	(X)	42	23	(X)	185	21	(X)	29
Hawaii	2,335	1,484	1,177	53	63	695	95	20	4 D	8

X Not applicable. <sup>1</sup> Includes amounts for types not shown separately. <sup>2</sup> F = food exempt from sales tax; D = prescription drugs exempt from sales tax. <sup>3</sup> DC excluded from total. <sup>4</sup> Local sales tax rates are additional. <sup>5</sup> Food and prescription drugs are subject to a 1 percent State tax. In addition, these items may be subject to a 1 percent local tax. <sup>6</sup> An additional tax is levied at the rate of 3 percent of the retail sales price, less than the current 7.5 cents per gallon tax. <sup>7</sup> Food products subject to a 2 percent State tax. <sup>8</sup> Tax is 40 percent of wholesale price. <sup>9</sup> Combined State and county rates are: Hawaii 19.8 cents; Honolulu 27.5 cents; Kauai 21 cents, and Maui 20 cents.

Source: U.S. Bureau of the Census, *State Government Tax Collections*, series GF, No. 1, annual.

## No. 464. State Government Individual Income Taxes: 1990

**[As of October 1990.** Only basic rates, brackets and exemptions are shown. Local income tax rates, even those mandated by the State, are not included. Taxable income rates and brackets listed below apply to single individuals and married taxpayers filing "combined separate" returns (in States where this is permitted). Alaska, Florida, Nevada, South Dakota, Texas, Washington, and Wyoming have no State income tax.]

STATE	Taxable income rates (range in percent)	TAXABLE INCOME BRACKETS		PERSONAL EXEMPTIONS			SIZE OF STANDARD DEDUCTION <sup>1</sup>			Federal income tax deductible <sup>2</sup>
		Lowest amount under	Highest amount over	Single	Married-joint return	Dependents	Percent	Single	Married-joint return	
AL <sup>3</sup> <sup>4</sup>	2.0-5.0	\$500	\$3,000	\$1,500	\$3,000	\$300	20	\$2,000	\$4,000	Yes
AZ <sup>5</sup>	3.8-7.0	10,000	150,000	2,000	4,000	2,000	(X)	3,500	7,000	No
AR	1.0-7.0	3,000	25,000	20	40	20	10	1,000	1,000	No
CA <sup>5</sup>	1.0-9.3	4,213	27,646	58	116	58	(X)	2,169	4,339	No
CO				5% of modified Federal taxable income						No
CT				Limited income tax						No
DE <sup>3</sup>	3.2-7.7	5,000	40,000	1,250	2,500	1,250	(X)	1,300	1,600	No
DC	6.0-9.5	10,000	20,000	1,270	2,540	1,270	(X)	2,000	2,000	No
GA	1.0-6.0	750	7,000	1,500	3,000	1,500	(X)	2,300	3,000	No
HI	2.0-10.0	1,500	20,500	1,040	2,080	1,040	(X)	1,500	1,900	No
ID	2.0-8.2	1,000	20,000				Same as Federal			No
IL	3.0	Flat rate		1,000	2,000	1,000	(X)	(X)	(X)	No
IN <sup>3</sup>	3.4	Flat rate		1,000	2,000	1,000	(X)	(X)	(X)	No
IA <sup>3</sup> <sup>5</sup>	4.9-9.8	10,038	104,710	20	40	15	(X)	1,260	3,100	Yes
KS	4.5-5.95	1127,500	1127,500	2,000	4,000	2,000	(X)	3,000	5,000	Yes
KY <sup>3</sup>	2.0-6.0	3,000	8,000	620	640	620	(X)	650	850	Yes
LA	2.0-6.0	10,000	50,000	124,500	129,000	121,000	Combined with exemptions			Yes
ME	2.0-8.5	4,050	16,200	2,050	4,100	2,050	(X)	3,250	5,450	No
MD <sup>3</sup> <sup>13</sup>	2.0-5.0	1,000	3,000	1,200	2,400	1,200	15	2,000	4,000	No
MA	5.0-10.0	Flat rate <sup>14</sup>		2,200	4,400	1,000	(X)	(X)	(X)	No
MI <sup>3</sup> <sup>15</sup>	4.6	Flat rate		2,100	4,200	2,100	(X)	(X)	(X)	No
MN <sup>5</sup>	6.0-8.0	13,000	13,000				Same as Federal			No
MS	3.0-5.0	5,000	10,000	6,000	8,500	1,500	15	2,300	3,400	No
MO <sup>3</sup> <sup>16</sup>	1.5-6.0	1,000	9,000	1,200	2,400	400	(X)	Same as Federal		Yes
MT	2.0-11.0	1,600	55,000	1,260	2,520	1,260	20	2,360	4,720	Yes
NE	2.0-6.41	1,800	27,000	1,230	2,460	1,230	(X)	Same as Federal		No
NH				Limited income tax <sup>17</sup>						No
NJ	2.0-3.5	1820,000	50,000	1,000	2,000	1,000	(X)	(X)	(X)	No
NM	1.8-8.5	5,200	64,000	2,000	4,000	2,000	(X)	Same as Federal		No
NY <sup>3</sup>	4.0-7.875	5,500	13,000			1,000	(X)	6,000	9,500	No
NC	2.0-7.0	12,750	12,750	2,000	4,000	2,000	(X)	3,000	5,000	No
	2.67-									No
ND	12.0	213,000	2150,000				Same as Federal			Yes
OH	743-6.9	5,000	100,000	650	1,300	650	(X)	(X)	(X)	No
OK	22-5.0	221,000	2210,000	1,000	2,000	1,000	15	2,000	2,000	Yes <sup>22</sup>
OR <sup>5</sup>	5.0-9.0	2,000	5,000	98	196	98	(X)	1,800	3,000	Yes <sup>23</sup>
PA <sup>3</sup>	2.1	Flat rate		(X)	(X)	(X)	(X)	(X)	(X)	No
RI				22.99% of Federal income tax liability						No
SC <sup>5</sup>	2.75-7.0	2,030	10,150				Same as Federal			No
TN				Limited income tax <sup>24</sup>						No
UT	2.55-7.2	750	3,750	75% of Federal exemption				Same as Federal		Yes <sup>25</sup>
VT				28% of Federal income tax liability						No
VA	2.0-5.75	3,000	17,000	800	1,600	800	(X)	3,000	5,000	No
WV	3.0-6.5	10,000	60,000	2,000	4,000	2,000	(X)	(X)	(X)	No
WI	4.9-6.93	7,500	15,000	-	-	50	(X)	5,200	8,900	No

<sup>1</sup> Represents zero. X Not applicable. <sup>2</sup> The lesser of either (a) the percentage indicated, multiplied by adjusted gross income (AGI) or (b) the dollar value listed. <sup>3</sup> A State provision that allows the taxpayer to deduct fully the Federal income tax payment; reduces the effective marginal tax rate for persons in the highest State and Federal tax brackets by approximately 30% of the nominal tax rate—the deduction is of lesser benefit to other taxpayers. <sup>3</sup> States in which one or more local governments levy a local income tax. <sup>4</sup> Social Security (FICA) taxes are included in itemized deductions. <sup>5</sup> Indexed by an inflation factor.

<sup>6</sup> Tax credit per dependent. <sup>7</sup> There is an income tax on interest, capital gains, and dividend income only. The rate of this tax ranges from 1% of interest and dividend income for taxpayers with an AGI of \$54,000 to \$57,999 to 12% of such income of taxpayers with an AGI over \$100,000. Capital gains are taxed at 7% after an exemption of \$100 is applied. <sup>8</sup> Lowest personal income tax rate (3.2%) applies to income in the \$2,000-\$5,000 bracket. Taxable income under \$2,000 is not subject to tax.

<sup>9</sup> Personal exemptions on the 1990 return are \$2,150 each; standard deduction for single is \$3,400 and for those filing joint returns, \$5,700. <sup>10</sup> Tax cannot reduce after-tax income of taxpayer to below \$5,000 (single) or \$7,500 (married-joint return). <sup>11</sup> Income below \$27,500 taxed at 4.5% rate, income above \$27,500 taxed at 5.95% rate. <sup>12</sup> Personal exemption and standard deduction are combined. <sup>13</sup> All counties have a local income tax surcharge of at least 20% of State tax liability; most counties have a surcharge of 50%. Single taxpayers have a minimum standard deduction of \$1,500 and married taxpayers a minimum standard deduction of \$3,000. <sup>14</sup> 10% (flat rate) imposed on capital gains, interest, and dividends of residents, and Massachusetts business income of nonresidents. All other net income taxed at 5%. No taxes are imposed on a single person with gross income of \$8,000 or less (\$12,000 married). <sup>15</sup> Persons who can be claimed as a dependent on someone else's return get an exemption of \$1,000. If their AGI is \$1,500 or less, they owe no tax. <sup>16</sup> FICA taxes deductible when itemizing deductions.

<sup>17</sup> There is a 5% tax on dividend and interest income (excluding income from savings bank deposits) in excess of \$1,200 (\$2,400 married). <sup>18</sup> No taxpayer is subject to tax if gross income is \$3,000 or less (\$1,500 married, filing separately). <sup>19</sup> Several rebates are available for lower income taxpayers. <sup>20</sup> Taxable income brackets are for single taxpayers. Breaking point for higher marginal tax rate varies according to filing status. <sup>21</sup> Applies to the long-form method. As an alternative, taxpayers may use the short-form method where the tax is 14% of the adjusted federal income tax liability. <sup>22</sup> These tax rates and brackets apply to single persons not deducting Federal income tax. For individuals deducting Federal income tax, rates range from .5% of the first \$1,000 to 10% on income over \$16,000. <sup>23</sup> Federal tax deduction limited to \$3,000 (\$1,500 married, filing separately). <sup>24</sup> Interest and dividends taxed at 6%. <sup>25</sup> One-half of federal tax liability is deductible.

**No. 465. State Fiscal Capacity and Effort: 1988**

**[Fiscal capacity:** the ability of a government to raise revenues. **Representative Tax System:** fiscal capacity is the dollar amount of revenue that each State would raise if it were to apply a set of tax rates based on all States' average behavior to a common set of tax bases. **Representative Revenue System:** similar to the RTS, also measures ability to raise major non-tax revenues. **Effort:** extent to which a State government is utilizing the revenue bases available]

STATE	Representative Tax System		Representative Revenue System <sup>3</sup>	
	Capacity <sup>1</sup>	Effort <sup>2</sup>	Capacity	Effort
United States . . . . .	100	100	100	100
Alabama . . . . .	76	84	77	95
Alaska . . . . .	159	127	255	122
Arizona . . . . .	99	96	97	97
Arkansas . . . . .	74	84	74	86
California . . . . .	116	94	115	98
Colorado . . . . .	107	89	106	94
Connecticut . . . . .	143	90	142	83
Delaware . . . . .	124	84	120	94
District of Columbia . . . . .	123	154	126	137
Florida . . . . .	104	82	103	87
Georgia . . . . .	94	89	93	98
Hawaii . . . . .	114	112	111	111
Idaho . . . . .	76	93	76	98
Illinois . . . . .	99	102	100	95
Indiana . . . . .	87	93	88	96
Iowa . . . . .	83	113	84	118
Kansas . . . . .	91	104	91	104
Kentucky . . . . .	81	88	80	89
Louisiana . . . . .	83	90	84	97
Maine . . . . .	98	105	97	99
Maryland . . . . .	109	108	111	102
Massachusetts . . . . .	129	94	131	89
Michigan . . . . .	95	112	96	112
Minnesota . . . . .	104	112	103	117
Mississippi . . . . .	65	94	65	108
Missouri . . . . .	90	86	89	86
Montana . . . . .	85	102	84	102
Nebraska . . . . .	90	98	89	106
Nevada . . . . .	135	69	129	75
New Hampshire . . . . .	126	68	123	66
New Jersey . . . . .	124	101	126	95
New Mexico . . . . .	83	99	88	103
New York . . . . .	109	152	110	141
North Carolina . . . . .	91	93	89	91
North Dakota . . . . .	86	91	85	107
Ohio . . . . .	91	97	92	98
Oklahoma . . . . .	89	89	87	95
Oregon . . . . .	91	99	91	104
Pennsylvania . . . . .	94	97	95	93
Rhode Island . . . . .	99	104	100	99
South Carolina . . . . .	79	96	78	102
South Dakota . . . . .	78	95	78	95
Tennessee . . . . .	84	83	84	89
Texas . . . . .	96	88	95	89
Utah . . . . .	78	106	76	109
Vermont . . . . .	105	100	102	100
Virginia . . . . .	104	91	104	90
Washington . . . . .	98	102	98	105
West Virginia . . . . .	78	88	76	90
Wisconsin . . . . .	90	119	90	117
Wyoming . . . . .	123	94	118	105

<sup>1</sup> Based on a nationwide standard tax system of rates and bases that is representative of actual state-local tax systems. It includes all taxes of State and local governments broken down into 27 categories. Tax capacity effort estimate is divided by population, then indexed to the national average to provide a standardized basis for comparison. For example, California's RTS index of 116 means that, in 1988, the state's capacity to generate tax revenues was 16 percent above the per capita national average. Similarly, Wisconsin's RTS capacity index of 90 means that it would have collected 10 percent less per capita than the average state had it used an average tax system. <sup>2</sup> Calculated by dividing a States' actual revenues by its calculated capacity. For example, California's actual revenue of \$1,948 per capita is 94% of its per capita tax capacity, \$2,062. Notice, tax effort is not indexed to a national standard but is a simple ratio of revenue to capacity. <sup>3</sup> See footnotes 1 and 2. Includes non-tax own-source revenues such as user charges, rents, and royalties, as well as all taxes included in the RTS.

Source: Advisory Commission on Intergovernmental Relations, Washington, DC, 1988 *State Fiscal Capacity and Index*, (M-170).

**No. 466. Gross Revenue of Selected States From Parimutuel and Amusement Taxes and Lotteries, by State: 1990**

[In millions of dollars, except percent. For fiscal years; see text, section 9]

YEAR AND STATE	Gross revenue	Parimutuel taxes	Amuse- ment taxes <sup>1</sup>	LOTTERY REVENUE			
				Total <sup>2</sup>	Apportionment of funds (percent)		
					Prizes	Administra- tion	Proceeds available from ticket sales
Total <sup>3</sup>	20,099.7	658.2	622.9	4,18,818.6	53.9	6.0	39.8
Alabama	4.9	4.9	0.1	(X)	(X)	(X)	(X)
Alaska	1.6	-	1.6	(X)	(X)	(X)	(X)
Arizona	280.8	9.3	0.8	270.7	50.6	8.0	41.3
Arkansas	19.1	19.1	-	(X)	(X)	(X)	(X)
California	2,486.3	136.2	-	2,350.1	52.9	7.8	39.3
Colorado	140.8	6.3	0.9	131.6	55.6	14.5	29.8
Connecticut	577.0	59.5	19.8	497.7	53.1	5.1	41.7
Delaware	62.3	0.1	-	62.3	56.2	3.5	40.3
District of Columbia	141.5	-	-	141.5	52.1	9.0	38.9
Florida	2,049.0	102.7	2.5	1,943.8	52.2	6.2	41.6
Idaho	67.7	1.4	-	66.3	48.4	15.1	36.5
Illinois	1,477.7	45.1	8.4	1,424.2	55.6	3.6	40.8
Indiana	378.6	-	(Z)	378.6	57.7	7.3	35.0
Iowa	161.1	8.8	-	152.3	59.6	12.6	27.7
Kansas	62.0	-	0.8	61.2	47.2	18.5	34.3
Kentucky	198.8	11.1	0.3	187.4	57.5	9.9	32.6
Louisiana	24.0	22.6	1.4	(X)	(X)	(X)	(X)
Maine	100.0	1.5	-	98.5	53.6	9.5	36.9
Maryland	774.0	3.0	1.4	769.6	52.8	3.4	43.8
Massachusetts	1,493.9	31.7	9.6	1,452.6	63.7	4.7	31.6
Michigan	1,115.8	20.6	-	1,095.2	53.7	4.2	42.1
Minnesota	66.1	2.1	-	64	53.6	33.8	12.5
Missouri	210.9	-	-	210.9	55.6	11.5	33.0
Montana	21.7	0.2	-	21.5	47.4	26.5	26.0
Nebraska	7.9	0.7	7.2	(X)	(X)	(X)	(X)
Nevada	317.7	-	317.7	(X)	(X)	(X)	(X)
New Hampshire	104.4	10.4	1.5	92.5	57.0	9.9	33.2
New Jersey	1,393.4	7.9	228.8	1,156.7	51.5	3.5	45.0
New Mexico	0.8	0.8	(Z)	(X)	(X)	(X)	(X)
New York	1,963.5	78.4	0.8	1,884.3	52.0	3.4	44.6
North Dakota	4.9	-	4.9	(X)	(X)	(X)	(X)
Ohio	1,536.7	13.6	-	1,523.1	54.3	5.9	39.8
Oklahoma	8.3	8.3	(Z)	(X)	(X)	(X)	(X)
Oregon	158.5	4.9	0.1	153.6	56.4	16.6	27.0
Pennsylvania	1,451.7	9.1	0.5	1,442.1	55.8	2.7	41.5
Rhode Island	71.1	12.2	0.2	58.7	51.1	4.9	44.1
South Carolina	12.8	-	12.8	(X)	(X)	(X)	(X)
South Dakota	29.4	0.6	-	28.8	33.7	14.9	51.0
Vermont	40.9	0.2	-	40.7	58.0	15.5	26.8
Virginia	454.3	-	0.1	454.2	55.6	9.6	34.9
Washington	256.7	10.4	(Z)	246.3	47.4	14.2	38.4
West Virginia	75.3	11.5	(Z)	63.8	49.5	15.8	34.8
Wisconsin	295.2	0.8	0.6	293.8	53.9	9.0	37.0

<sup>1</sup> Represents or rounds to zero. X Not applicable. Z Less than \$50,000. <sup>2</sup> Represents nonlicense taxes. <sup>3</sup> Excludes commissions. <sup>4</sup> Includes States whose gross revenues were less than \$1,000,000 not shown separately. <sup>5</sup> Total excludes Washington DC.

Source: U.S. Bureau of the Census, *State Government Finances*, series GF, No. 3, annual.

**No. 467. State Government Revenue From Severance Taxes, by State: 1985 to 1990**

[In millions of dollars. For fiscal years; see text, section 9. **Severance taxes** are taxes imposed distinctively on the removal of natural products, such as oil, gas, other minerals, timber, and fish; from land or water and measured by value and/or quantity of products removed or sold. See source for information on particular taxes (including changes in tax rates) and additional analytical detail.]

REGION AND STATE	1985	1988	1989	1990	REGION AND STATE	1985	1988	1989	1990
Total	7,211	4,331	4,145	4,683	Nebraska	4.6	2.6	2.3	2.7
Alabama	89.6	60.6	61.7	59.2	Nevada	0.1	10.7	0.4	22.9
Alaska	1,389.3	818.7	698.9	1,103.8	New Hampshire	0.1	-0.1	0.1	0.2
Arkansas	26.0	16.3	14.5	15.6	New Mexico	390.8	291.9	256.2	292.7
California	19.1	26.1	29.3	30.9	North Carolina	1.5	1.6	1.5	1.5
Colorado	30.4	15.3	13.8	14.4	North Dakota	176.3	93.3	79.5	79.6
Florida <sup>1</sup>	173.2	75.0	60.6	65.9	Ohio	8.2	9.4	8.8	9.5
Idaho	0.7	0.7	0.4	0.5	Oklahoma	708.8	386.7	371.6	395.3
Indiana	1.5	0.7	1.0	0.8	Oregon	31.8	32.0	37.5	52.2
Kansas	111.9	81.8	79.7	86.6	South Dakota	4.5	8.1	9.2	8.6
Kentucky	228.0	210.0	195.1	213.9	Tennessee	2.8	1.8	1.6	1.5
Louisiana	745.2	474.9	411.5	429.1	Texas	2,175.3	1,058.8	1,172.2	1,087.9
Michigan	75.7	43.6	40.5	45.6	Utah	49.4	29.2	30.6	30.1
Minnesota	80.0	7.8	6.4	2.1	Washington	36.2	45.8	58.9	69.3
Mississippi	92.9	53.2	45.1	45.6	West Virginia <sup>3</sup>	(X)	128.5	135.7	162.7
Missouri	(Z)	(Z)	(Z)	(Z)	Wisconsin	1.0	0.9	0.9	0.9
Montana	150.7	112.8	85.5	95.7	Wyoming	404.0	230.3	231.7	254.0

X Not applicable. Z Less than \$50,000. <sup>1</sup> Beginning 1986, corporate excise tax was reclassified to corporate net income tax. <sup>2</sup> Taxation of mineral proceeds changed via constitutional amendment effective May 24, 1989. <sup>3</sup> Severance tax replaced the business and occupation tax for specified firms engaged in natural resource activities effective July 1, 1987.

Source: U.S. Bureau of the Census, *State Government Tax Collections*, series GF, No. 1, annual.

**No. 468. State Government Intergovernmental Expenditures, 1980 to 1990,  
and by State, 1990**

[For fiscal year, see text, section 9]

YEAR, DIVISION, AND STATE	Total (mil. dol.)	Per capita <sup>1</sup> (dol.)	Rank	As per- cent of general expendi- ture	YEAR, DIVISION, AND STATE	Total (mil. dol.)	Per capita <sup>1</sup> (dol.)	Rank	As per- cent of general expendi- ture
1980 . . . . .	84,504	374	(X)	37	MI . . . . .	6,314	679	7	32
1985 . . . . .	121,571	511	(X)	35	MN . . . . .	4,277	978	13	41
1986 . . . . .	131,966	549	(X)	35	MS . . . . .	1,891	657	29	38
1987 . . . . .	141,279	582	(X)	35	MO . . . . .	2,561	501	18	33
1988 . . . . .	151,662	619	(X)	35	MT . . . . .	420	525	44	25
1989 . . . . .	165,506	668	(X)	35	NE . . . . .	772	489	39	27
<b>1990, U.S. . . . .</b>	<b>175,096</b>	<b>704</b>	<b>(X)</b>	<b>34</b>	NV . . . . .	949	790	37	40
AL . . . . .	2,015	499	23	27	NH . . . . .	220	199	49	13
AK . . . . .	908	1,653	38	21	NJ . . . . .	5,819	753	9	32
AZ . . . . .	2,433	664	19	32	NM . . . . .	1,463	966	32	38
AR . . . . .	1,177	500	34	30	NY . . . . .	19,444	1,081	2	39
CA . . . . .	35,174	1,182	1	50	ND . . . . .	370	579	45	23
CO . . . . .	1,816	551	28	32	OH . . . . .	7,386	681	3	36
CT . . . . .	1,858	565	27	21	OK . . . . .	1,637	520	30	29
DE . . . . .	359	538	46	18	OR . . . . .	1,479	520	31	27
FL . . . . .	7,205	557	5	35	PA . . . . .	6,921	583	6	33
GA . . . . .	3,667	566	15	32	RI . . . . .	488	487	43	18
HI . . . . .	101	92	50	3	SC . . . . .	1,885	541	26	28
ID . . . . .	585	581	41	32	SD . . . . .	242	348	48	19
IL . . . . .	5,856	512	8	29	TN . . . . .	2,211	453	22	28
IN . . . . .	3,385	611	17	34	TX . . . . .	7,343	432	4	31
IA . . . . .	1,946	701	24	33	UT . . . . .	981	569	35	28
KS . . . . .	1,312	529	33	30	VT . . . . .	265	472	47	18
KY . . . . .	1,913	519	25	27	VA . . . . .	3,472	561	16	29
LA . . . . .	2,331	552	21	27	WA . . . . .	3,767	774	14	33
ME . . . . .	664	540	40	24	WV . . . . .	960	535	36	27
MD . . . . .	2,420	506	20	25	WI . . . . .	4,316	882	12	41
MA . . . . .	4,649	773	11	27	WY . . . . .	584	1,287	42	39

X Not applicable. <sup>1</sup> 1980 and 1990 based on enumerated resident population as of April 1; all other years based on estimated resident population as of July 1; estimates do not reflect revisions based on the 1990 Census of Population.

Source: U.S. Bureau of the Census, *Census of Governments: 1987*, vol. 6, No. 4; *Historical Statistics on Governmental Finances and Employment* (GC82(6)-4); and *State Government Finances*, series GF, No. 3, annual.

**No. 469. Local Government General Revenue, by Source, 1980 to 1990,  
and by State, 1990**

[In millions of dollars, for fiscal year, see text, section 9. Data are estimates based on sample and subject to sampling variability; see source and Appendix III]

YEAR, DIVISION, AND STATE	Total <sup>1</sup>	INTERGOVERN- MENTAL FROM—		FROM OWN SOURCES	YEAR, DIVISION, AND STATE	Total <sup>1</sup>	INTERGOVERN- MENTAL FROM—		FROM OWN SOURCES
		Federal	State				Total	Taxes	
1980 . . . . .	232,453	21,136	81,289	130,027	86,387	DC . . . . .	4,405	1,599	(X) 2,806 2,310
1985 . . . . .	354,119	21,724	116,380	216,014	134,473	VA . . . . .	10,809	367	3,290 7,152 5,127
1989 . . . . .	468,549	17,588	157,652	293,308	184,478	WV . . . . .	2,090	52	881 1,157 572
<b>1990, U.S. . . . .</b>	<b>512,322</b>	<b>18,449</b>	<b>172,274</b>	<b>321,599</b>	<b>201,130</b>	NC . . . . .	11,286	412	4,725 6,149 3,239
N.E. . . . .	23,518	931	7,589	14,999	11,767	SC . . . . .	4,946	162	1,803 1,512
ME . . . . .	1,802	66	600	1,137	863	GA . . . . .	12,570	455	3,561 8,554 4,589
NH . . . . .	1,786	52	224	1,510	1,279	FL . . . . .	27,660	872	8,077 18,711 9,304
VT . . . . .	825	27	239	559	465	E.S.C. . . . .	22,687	857	9,213 12,617 8,232
MA . . . . .	11,528	563	4,362	6,603	4,827	KY . . . . .	4,388	182	1,782 2,424 1,250
RI . . . . .	1,405	60	406	939	810	TN . . . . .	9,002	283	3,970 4,750 2,578
CT . . . . .	6,172	163	1,758	4,251	3,523	AL . . . . .	5,361	192	1,903 3,266 1,548
M.A. . . . .	101,873	2,864	33,212	65,796	48,053	MS . . . . .	3,936	200	1,558 2,177 856
NY . . . . .	62,417	1,604	20,275	40,538	30,150	W.S.C. . . . .	44,073	1,405	12,081 30,588 18,241
N.J. . . . .	17,454	389	5,436	11,629	9,038	AR . . . . .	2,603	87	1,087 1,429 732
PA . . . . .	22,002	871	7,501	13,629	8,865	LA . . . . .	6,918	306	2,228 4,385 2,504
E.N.C. . . . .	78,021	2,654	25,360	50,009	33,845	OK . . . . .	4,423	154	1,497 2,772 1,478
OH . . . . .	19,231	762	6,431	12,038	8,230	TX . . . . .	30,129	858	7,269 22,002 13,527
IN . . . . .	9,204	242	3,435	5,526	2,942	Mt . . . . .	26,903	1,074	9,273 16,558 9,569
IL . . . . .	21,628	938	5,483	15,208	11,132	MT . . . . .	1,394	78	416 901 576
MI . . . . .	17,965	482	5,812	11,671	7,876	ID . . . . .	1,449	59	572 818 432
WI . . . . .	9,993	230	4,199	5,564	3,665	WY . . . . .	1,292	29	504 759 389
W.N.C. . . . .	32,375	1,311	10,257	20,803	12,266	CO . . . . .	7,208	231	1,821 5,157 3,273
MN . . . . .	11,056	537	4,291	6,227	3,263	NM . . . . .	2,575	157	1,292 1,126 546
IA . . . . .	5,033	186	1,689	3,158	1,912	AZ . . . . .	7,589	318	2,703 4,568 2,664
MO . . . . .	7,042	319	1,990	4,733	2,989	UT . . . . .	2,660	93	944 1,622 958
ND . . . . .	966	53	348	564	325	NV . . . . .	2,736	109	1,021 1,607 731
SD . . . . .	928	52	205	670	507	Pac . . . . .	99,155	2,975	40,121 56,060 29,689
NE . . . . .	2,865	97	569	2,198	1,351	WA . . . . .	9,613	376	3,746 5,490 2,909
KS . . . . .	4,485	67	1,165	3,253	1,909	OR . . . . .	5,739	360	1,408 3,971 2,711
S.A. . . . .	83,713	4,377	25,170	54,167	31,466	CA . . . . .	80,298	2,058	34,048 44,193 22,837
DE . . . . .	918	41	402	476	241	AK . . . . .	2,202	91	815 1,297 691
MD . . . . .	9,029	417	2,431	6,181	4,572	HI . . . . .	1,303	90	104 1,109 541

X Not applicable. <sup>1</sup> Excludes duplicative intergovernmental transactions.

Source: U.S. Bureau of the Census, *Census of Governments: 1982*, vol. 6, No. 4; *Historical Statistics on Governmental Finances and Employment* (GC82(6)-4); and *Government Finances*, series GF, No. 5, annual.

## No. 470. State Aid to Local Governments: 1982, 1988, and 1989

[In millions of dollars. Fiscal year data; see text, section 9. Expenditures are from State resources only, federal dollars for particular programs which may be passed along to local governments are excluded. For additional data on State general fund resources and expenditures; see table 462. For data on Federal aid to State and local governments; see tables 454 and 455]

STATE	TOTAL AID <sup>1</sup>			RESTRICTED AID <sup>2</sup>			UNRESTRICTED AID <sup>3</sup>		
	1982	1988	1989	1982	1988	1989	1982	1988	1989
<b>United States . . . . .</b>	<b>88,129</b>	<b>142,532</b>	<b>153,320</b>	<b>78,427</b>	<b>126,531</b>	<b>136,678</b>	<b>9,703</b>	<b>16,001</b>	<b>16,643</b>
New England:									
Maine . . . . .	318	612	642	297	553	580	21	59	62
New Hampshire . . . . .	95	136	187	35	85	135	59	51	51
Vermont . . . . .	86	183	238	86	183	238	1	(Z)	(Z)
Massachusetts . . . . .	1,698	3,178	3,339	1,234	2,125	2,247	464	1,053	1,092
Rhode Island . . . . .	193	364	392	176	312	339	16	52	52
Connecticut . . . . .	733	1,483	1,940	594	1,365	1,826	138	117	114
Middle Atlantic:									
New York . . . . .	10,755	18,403	20,409	9,696	17,125	19,114	1,059	1,278	1,295
New Jersey . . . . .	2,928	4,589	5,048	2,048	3,490	3,889	880	1,099	1,159
Pennsylvania . . . . .	3,461	5,459	5,745	3,401	5,362	5,740	60	97	5
East North Central:									
Ohio . . . . .	4,625	8,230	8,214	4,477	7,699	7,572	148	531	642
Indiana . . . . .	1,844	2,875	3,136	1,821	2,851	3,115	23	24	21
Illinois . . . . .	3,379	4,665	4,895	2,447	3,191	3,378	932	1,474	1,517
Michigan . . . . .	2,875	4,871	5,257	2,437	4,032	4,152	438	839	1,106
Wisconsin . . . . .	1,993	3,369	3,510	1,225	2,257	2,384	767	1,112	1,126
West North Central:									
Minnesota . . . . .	2,550	3,386	3,560	2,499	3,343	3,503	52	43	57
Iowa . . . . .	908	1,283	1,414	889	1,263	1,414	19	20	-
Missouri . . . . .	1,038	2,190	2,171	983	2,062	2,038	56	127	132
North Dakota . . . . .	333	324	320	277	278	274	56	46	46
South Dakota . . . . .	64	91	93	59	86	87	4	6	6
Nebraska . . . . .	299	276	312	299	245	277	-	31	35
Kansas . . . . .	659	949	1,089	535	761	863	124	189	226
South Atlantic:									
Delaware . . . . .	197	339	352	194	326	347	3	12	5
Maryland . . . . .	1,460	2,225	2,360	1,380	2,107	2,241	80	118	119
Virginia . . . . .	1,384	2,548	2,735	1,311	2,441	2,627	73	106	108
West Virginia . . . . .	649	872	912	635	861	899	14	11	13
North Carolina . . . . .	2,186	4,117	4,520	2,170	4,022	4,294	16	95	227
South Carolina <sup>4</sup> . . . . .	760	1,341	1,419	685	1,183	1,241	74	158	178
Georgia . . . . .	1,590	2,702	2,878	1,530	2,612	2,818	60	90	60
Florida . . . . .	3,728	8,147	7,988	2,956	6,457	6,441	771	1,689	1,546
East South Central:									
Kentucky . . . . .	1,003	1,546	1,595	964	1,546	1,585	40	-	-
Tennessee . . . . .	981	1,574	1,679	745	1,177	1,252	236	398	427
Alabama . . . . .	860	1,286	1,527	690	1,032	1,293	170	254	235
Mississippi . . . . .	666	1,031	1,167	483	774	856	182	257	311
West South Central:									
Arkansas . . . . .	497	840	879	454	791	831	43	48	48
Louisiana . . . . .	1,301	1,308	1,686	1,023	1,135	1,495	278	173	171
Oklahoma . . . . .	736	935	1,031	712	915	1,011	24	20	21
Texas . . . . .	4,186	5,426	5,741	4,186	5,426	5,698	-	-	43
Mountain:									
Montana . . . . .	186	280	285	171	260	266	15	21	19
Idaho . . . . .	329	469	502	294	424	449	34	45	53
Wyoming . . . . .	319	394	347	151	310	249	168	84	98
Colorado . . . . .	785	1,153	1,249	767	1,136	1,249	18	17	(Z)
New Mexico . . . . .	909	1,245	1,283	714	882	889	195	362	394
Arizona . . . . .	957	1,909	2,127	801	1,583	1,774	157	326	353
Utah . . . . .	447	741	912	447	741	757	1	(Z)	155
Nevada . . . . .	346	604	(NA)	169	262	(NA)	178	342	(NA)
Pacific:									
Washington . . . . .	2,011	2,826	2,971	1,769	2,743	2,882	241	83	90
Oregon . . . . .	795	1,058	1,283	611	808	961	184	250	322
California . . . . .	17,479	27,986	31,268	16,473	25,339	28,520	1,008	2,647	2,749
Alaska . . . . .	531	682	703	424	569	589	107	112	114
Hawaii . . . . .	18	33	42	(?)	(?)	4	18	33	38

- Represents or rounds to zero. NA Not available. Z Less than \$500,000. <sup>1</sup> State resources given to local governments for public service delivery, either for specific programs or for general purpose government. <sup>2</sup> Funds must be spent by the receiving local units on programs identified by the State government; most common programs are in the following areas: education, human services, transportation, criminal justice, environmental protection, housing/community development, natural resources, and economic development. <sup>3</sup> Funds granted to local governments without stipulating the use of these funds; most commonly in the form of payments in lieu of taxes; shared sales, income, and cigarette taxes; other shared taxes and fees; and direct State appropriations. <sup>4</sup> South Carolina has two shared revenue programs that are distributed directly to local governments but are not considered part of State budget. <sup>5</sup> Restricted aid is zero because State provides many of these services directly.

Source: National Association of State Budget Officers, Washington, DC, *State Aid to Local Governments 1990*, (copyright).

**No. 471. Number of Local Governments, by Type—States: 1982 and 1987**

[Governments in existence in January. Limited to governments actually in existence. Excludes, therefore, a few counties and numerous townships and "incorporated places" existing as areas for which statistics can be presented as to population and other subjects, but lacking any separate organized county, township, or municipal government]

STATE	1982			1987					Special district governments			
	All local govern- mental units <sup>1</sup>	School district govern- ments	Special district govern- ments	All local govern- mental units	County govern- ments <sup>2</sup>	Municipal govern- ments <sup>2</sup>	Township govern- ments <sup>2</sup>	School district govern- ments	Total <sup>1</sup>	Natural re- sources	Fire pro- tection	Hous- ing and com- munity devel- opment
<b>U.S. ....</b>	<b>81,780</b>	<b>14,851</b>	<b>28,078</b>	<b>83,186</b>	<b>3,042</b>	<b>19,200</b>	<b>16,691</b>	<b>14,721</b>	<b>29,532</b>	<b>6,360</b>	<b>5,070</b>	<b>3,464</b>
AL.....	1,018	127	390	1,053	67	436	-	129	421	69	4	156
AK.....	156	-	6	172	9	149	-	-	14	-	-	13
AZ.....	452	232	130	576	15	81	-	227	253	82	116	-
AR.....	1,424	372	505	1,396	75	483	-	333	505	245	33	130
CA.....	4,102	1,111	2,506	4,331	57	442	-	1,098	2,734	521	389	93
CO.....	1,544	185	1,030	1,593	62	266	-	180	1,085	188	213	56
CT.....	479	16	281	477	-	31	149	16	281	1	55	91
DE.....	217	19	139	281	3	57	-	19	202	197	-	3
DC.....	2	-	1	2	-	1	-	-	1	-	-	-
FL.....	969	95	417	965	66	390	-	95	414	133	48	98
GA.....	1,268	187	390	1,286	158	532	-	186	410	28	6	208
HI.....	18	-	14	18	3	1	-	-	14	14	-	-
ID.....	1,018	117	659	1,065	44	198	-	118	705	169	119	13
IL.....	6,467	1,049	2,602	6,627	102	1,279	1,434	1,029	2,783	913	801	114
IN.....	2,865	305	897	2,806	91	567	1,008	304	836	129	-	45
IA.....	1,871	456	361	1,877	99	955	-	451	372	234	69	15
KS.....	3,795	326	1,370	3,803	105	627	1,380	-	324	1,387	271	101
KY.....	1,241	180	517	1,303	119	437	-	178	569	127	85	24
LA.....	468	66	39	452	61	301	-	66	24	2	-	-
ME.....	806	98	195	800	16	22	471	88	203	13	-	28
MD.....	439	-	264	401	23	155	-	-	223	165	-	20
MA.....	798	81	354	836	12	39	312	82	391	16	20	249
MI.....	2,643	599	184	2,699	83	534	1,242	590	250	85	1	-
MN.....	3,529	436	356	3,555	87	855	1,798	441	374	119	-	169
MS.....	858	169	315	853	82	293	-	171	307	227	-	59
MO.....	3,117	557	1,195	3,147	114	930	325	561	1,217	155	145	172
MT.....	1,029	399	450	1,243	54	128	-	547	514	117	128	18
NE.....	3,324	1,069	1,157	3,152	93	534	454	952	1,119	110	427	134
NV.....	184	17	134	197	16	18	-	17	146	29	15	14
NH.....	517	160	113	524	10	13	221	160	120	9	15	22
NJ.....	1,591	548	454	1,625	21	320	247	551	486	16	172	84
NM.....	319	89	101	331	33	98	-	88	112	73	-	7
NY.....	3,249	726	923	3,302	57	618	929	720	978	2	898	-
NC.....	905	-	321	916	100	495	-	-	321	142	1	108
ND.....	2,795	325	692	2,787	53	366	1,355	310	703	83	279	34
OH.....	3,393	669	377	3,377	88	940	1,318	621	410	100	30	55
OK.....	1,702	638	406	1,802	77	591	-	636	498	110	17	119
OR.....	1,454	352	825	1,502	36	240	-	350	876	213	270	23
PA.....	5,198	514	2,050	4,956	66	1,022	1,548	515	1,805	5	1	88
RI.....	122	3	80	125	-	8	31	3	83	3	39	26
SC.....	645	92	242	707	46	269	-	92	300	46	86	43
SD.....	1,767	196	199	1,762	64	309	984	193	212	102	31	38
TN.....	913	15	469	904	94	334	-	14	462	124	-	94
TX.....	4,180	1,124	1,681	4,415	254	1,156	-	1,113	1,892	399	70	396
UT.....	504	40	211	530	29	225	-	40	236	71	13	11
VT.....	664	273	83	673	14	55	237	272	95	20	19	9
VA.....	407	-	83	430	95	229	-	-	106	43	-	-
WA.....	1,734	300	1,130	1,779	39	266	-	297	1,177	161	411	48
WV.....	633	55	292	630	55	230	-	55	290	15	-	32
WI.....	2,592	408	263	2,719	72	580	1,268	433	366	150	-	204
WY.....	395	56	225	424	23	95	-	56	250	114	44	-

- Represents zero. <sup>1</sup> Includes other types of governments not shown separately. <sup>2</sup> Includes "town" governments in the six New England States and in Minnesota, New York, and Wisconsin.

Source: U.S. Bureau of the Census, *Census of Governments: 1982 and 1987, Vol. 1, No. 1, Government Organization*.

**No. 472. County, Municipal, and Township Governments, 1987, and Their Population, 1986, by Population-Size Group**

[Number of governments as of January 1987; population estimated as of July 1, 1986, and do not reflect revisions based on the 1990 Census of Population. Consolidated city-county governments are classified as municipal rather than county governments. Township governments include "towns" in the six New England States, Minnesota, New York, and Wisconsin]

POPULATION-SIZE GROUP	COUNTY GOVERNMENTS		MUNICIPAL GOVERNMENTS		TOWNSHIP GOVERNMENTS		
	Number, 1987	Population, 1986	Number, 1987	Population, 1986	Number, 1987	Population, 1986	
		Number (1,000)		Number (1,000)		Number (1,000)	Percent
Total . . . . .	3,042	217,397	100.0	19,200	149,864	100.0	16,691
250,000 or more . . . . .	167	113,164	52.1	61	44,059	29.4	4
100,000 to 249,999 . . . . .	231	35,559	16.4	122	17,882	11.9	29
50,000 to 99,999 . . . . .	387	27,279	12.6	285	19,522	13.0	74
25,000 to 49,999 . . . . .	616	21,807	10.0	561	19,386	13.0	233
10,000 to 24,999 . . . . .	943	15,580	7.2	1,303	20,425	13.6	706
5,000 to 9,999 . . . . .	698	4,007	1.9	1,544	10,950	7.3	1,005
2,500 to 4,999 . . . . .	(NA)	(NA)	(NA)	2,151	7,646	5.1	1,775
1,000 to 2,499 . . . . .	(NA)	(NA)	(NA)	3,804	6,061	4.1	3,722
Less than 1,000 . . . . .	(NA)	(NA)	(NA)	9,369	3,933	2.6	9,143

NA Not available. <sup>1</sup> For population-size group less than 9,999.

Source: U.S. Bureau of the Census, *Census of Governments: 1987, Vol. 1, No. 1, Government Organization*.

**No. 473. County Governments—Summary of Finances, 1980 to 1990, and Per Capita, by Population-Size Group, 1990**

[Covers fiscal years ending between July 1 of preceding year and June 30 of year stated. Represents all counties and their dependent agencies (including dependent school systems where applicable). Per capita based on estimated resident population as of July 1. Population estimates do not reflect revisions based on the 1990 Census of Population]

ITEM	ALL COUNTIES (mil. dol.) <sup>1</sup>			PER CAPITA (dollars), 1990								
	1980	1985	1990	All counties		Counties with 1988 population (1,000) of—						
				Total (3,043) <sup>2</sup>	Percent distribution	Less than 100 <sup>3</sup> (2,831)	100 to 149.9 (133)	100 to 199.9 (66)	150 to 299.9 (74)	200 to 499.9 (62)	300 to 999.9 (52)	1,000 or more (24)
General revenue . . . . .	54,573	85,500	135,775	612	100	625	488	542	499	504	743	649
Intergovernmental revenue <sup>4</sup> . . . . .	24,746	32,614	53,953	243	40	299	181	183	165	168	237	271
From State governments . . . . .	18,969	26,716	49,225	222	36	281	163	164	147	153	211	242
From Federal government . . . . .	4,948	4,708	2,780	13	2	11	12	12	11	10	13	16
Tax revenue <sup>4</sup> . . . . .	18,813	30,898	48,750	220	36	181	168	234	181	212	324	229
Property . . . . .	14,300	23,193	35,723	161	26	130	122	162	131	155	226	183
Charges and miscellaneous . . . . .	11,014	21,988	33,072	149	24	146	138	125	153	125	183	149
General expenditure . . . . .	54,291	80,948	127,626	575	100	507	486	550	493	509	755	637
Capital outlay . . . . .	6,505	7,603	13,467	61	11	48	48	59	49	54	97	64
Other . . . . .	47,786	73,345	114,159	514	90	459	438	491	444	455	659	573
Public welfare . . . . .	8,591	12,237	18,114	82	14	46	69	62	76	79	110	124
Education . . . . .	8,412	11,683	18,395	83	14	106	94	135	57	84	118	17
Highways . . . . .	5,227	7,008	9,415	42	7	64	36	41	37	32	35	27
Hospitals . . . . .	5,975	9,005	13,018	59	10	61	44	24	52	31	59	85
General control <sup>5</sup> . . . . .	3,374	5,566	9,149	39	7	47	21	22	23	25	36	52
Police protection . . . . .	2,661	4,392	6,693	30	5	25	24	34	24	25	35	39
Financial administration . . . . .	1,521	2,410	3,363	15	3	16	12	17	15	14	17	15
General public buildings . . . . .	1,072	1,489	2,182	10	2	9	8	9	10	9	16	7
Health . . . . .	2,806	4,794	8,791	40	7	36	36	36	39	35	43	48
Correction . . . . .	1,759	3,466	6,590	30	5	15	19	22	27	27	44	47
Natural resources . . . . .	687	1,033	1,314	6	1	5	3	3	3	4	6	11
Parks and recreation . . . . .	1,094	1,506	2,487	11	2	5	5	10	8	13	23	14
Interest on general debt . . . . .	1,542	4,652	7,976	36	6	27	28	30	26	29	56	46
Other and unallocable . . . . .	9,570	11,709	20,139	93	16	46	86	104	95	102	160	105
Debt outstanding, end of year . . . . .	32,993	72,260	118,608	534	100	434	426	442	387	459	789	639
Long-term . . . . .	31,543	69,192	115,392	520	97	430	416	440	376	447	772	605
Short-term . . . . .	1,450	3,068	3,216	14	3	4	10	2	11	13	16	34

<sup>1</sup> Data for counties under 100,000 population are estimates subject to sampling variation; see Appendix III and source.

<sup>2</sup> Figures in parentheses represent number of counties in each size group. <sup>3</sup> Estimated. <sup>4</sup> Includes other revenues not shown separately. <sup>5</sup> Includes judicial and legal as well as other administrative expenditures.

Source: U.S. Bureau of the Census, *County Government Finances*, series GF, No. 8, annual.

## No. 474. City Governments—Summary of Finances: 1980 to 1990

[For fiscal years ending in year shown; see text, section 9. Data revised since originally published and may not agree, therefore, with table 476. Represents all municipalities and their dependent agencies (including dependent school systems where applicable); excludes other local governments overlying city areas. Includes sample-based estimates for cities of less than 50,000; thus subject to sampling variation. See Appendix III and source.]

ITEM	TOTAL (mil. dol.)			PER CAPITA <sup>1</sup> (dol.)			PERCENT DISTRIBUTION		
	1980	1985	1990	1980	1985	1990	1980	1985	1990
<b>Revenue</b> . . . . .	<b>94,862</b>	<b>147,672</b>	<b>202,393</b>	<b>672</b>	<b>1,007</b>	<b>1,323</b>	<b>100</b>	<b>100</b>	<b>100</b>
General revenue . . . . .	76,056	114,649	158,301	539	781	1,035	80	78	78
Intergovernmental revenue . . . . .	28,270	35,859	45,306	200	244	296	30	24	22
From State governments only . . . . .	15,939	23,103	34,243	113	157	224	17	16	17
Taxes . . . . .	31,256	47,647	68,788	222	325	450	33	32	34
Property . . . . .	16,859	23,459	35,024	119	160	229	18	16	17
Percent of total taxes . . . . .	53.9	49.2	50.9	(X)	(X)	(X)	(X)	(X)	(X)
Sales and gross receipts . . . . .	8,208	13,877	19,190	58	95	125	9	9	10
General . . . . .	5,096	8,569	11,645	36	58	76	5	6	6
Selective . . . . .	3,112	5,307	7,545	22	36	49	3	4	4
Income, licenses and other . . . . .	6,189	10,312	14,574	44	70	95	7	7	7
Charges and miscellaneous . . . . .	16,530	31,142	44,207	117	212	289	17	21	22
Current charges only . . . . .	9,875	16,514	25,265	70	113	165	10	11	13
Utility and liquor store revenue . . . . .	15,719	26,471	33,266	111	180	217	17	18	16
Water system . . . . .	4,989	8,504	11,578	35	58	76	5	6	6
Electric power system . . . . .	8,007	13,363	17,312	57	91	113	8	9	9
Gas supply system . . . . .	1,444	2,796	2,335	10	19	15	2	2	1
Transit system . . . . .	1,032	1,548	1,766	7	11	12	1	1	1
Liquor stores . . . . .	247	260	275	2	2	2	-	-	-
Insurance trust revenue . . . . .	3,088	6,552	10,827	22	45	71	3	4	5
<b>Expenditure</b> . . . . .	<b>93,899</b>	<b>140,000</b>	<b>198,790</b>	<b>664</b>	<b>954</b>	<b>1,299</b>	<b>100</b>	<b>100</b>	<b>100</b>
General expenditure . . . . .	72,433	105,652	153,684	513	720	1,004	77	76	77
Police protection . . . . .	8,200	12,574	18,183	58	86	119	9	9	9
Fire protection . . . . .	4,535	6,798	9,487	32	46	62	5	5	5
Highways . . . . .	5,977	8,709	12,105	42	59	79	6	6	6
Sewerage and other sanitation . . . . .	7,907	11,446	16,476	56	78	108	8	8	8
Public welfare . . . . .	3,801	5,762	7,890	27	39	52	4	4	4
Education . . . . .	9,284	11,433	17,368	66	78	114	10	8	9
Libraries . . . . .	883	1,304	1,906	6	9	12	1	1	1
Health and hospitals . . . . .	4,457	6,675	9,141	32	45	60	5	5	5
Parks and recreation . . . . .	3,433	4,993	7,584	24	34	50	4	4	4
Housing and community develop . . . . .	3,459	5,105	7,661	25	35	50	4	4	4
Airports . . . . .	1,100	1,694	2,878	8	12	19	1	1	2
Financial administration . . . . .	1,843	2,703	3,895	13	18	25	2	2	2
General control . . . . .	2,015	3,401	5,274	14	23	34	2	2	3
General public buildings . . . . .	1,090	1,483	1,767	8	10	12	1	1	1
Interest on general debt . . . . .	3,054	6,859	11,317	22	47	74	3	5	6
Other and unallocable . . . . .	11,395	14,814	20,751	81	101	136	12	11	10
Utility and liquor store expenditure . . . . .	18,274	29,534	38,436	130	201	251	20	21	19
Water system . . . . .	5,933	9,601	13,579	42	65	89	6	7	7
Electric power system . . . . .	8,596	13,588	17,490	61	93	114	9	10	9
Gas supply system . . . . .	1,334	2,724	2,263	9	19	15	1	2	1
Transit system . . . . .	2,189	3,381	4,855	16	23	32	2	2	3
Liquor stores . . . . .	222	240	250	2	2	2	-	-	-
Insurance trust expenditure . . . . .	2,993	4,814	6,669	21	33	44	3	3	3
By character and object:									
Direct expenditure . . . . .	91,692	136,601	193,900	650	931	1,267	98	98	98
Current operation . . . . .	66,687	98,301	138,818	473	677	907	71	71	70
Capital outlay . . . . .	16,285	21,374	31,747	115	146	207	17	15	16
Construction . . . . .	13,341	16,638	22,811	95	113	149	14	12	12
Land and existing structures <sup>3</sup> . . . . .	2,944	4,736	8,935	21	32	58	3	3	5
Assistance payments . . . . .	1,546	2,060	2,212	11	14	14	2	2	1
Interest on debt . . . . .	4,182	9,052	14,455	30	62	94	5	7	7
Insurance benefits, repayments . . . . .	2,992	4,814	6,669	21	33	44	3	3	3
Intergovernmental expenditure . . . . .	2,007	3,399	4,890	14	23	32	2	2	3
Total salaries and wages <sup>4</sup> . . . . .	34,709	48,050	66,973	246	328	438	37	34	34
Debt outstanding, year end . . . . .	86,019	141,139	212,919	610	961	1,392	100	100	100
Long-term . . . . .	82,346	135,912	207,487	584	926	1,356	96	96	98
Full faith and credit . . . . .	39,570	46,345	68,510	280	316	448	46	33	32
Nonguaranteed . . . . .	42,776	89,567	138,977	303	611	908	50	64	65
Short-term . . . . .	3,673	5,227	5,432	26	36	36	4	4	3
Net long-term debt outstanding . . . . .	72,528	124,516	139,109	514	849	909	84	88	65
Long-term debt issued . . . . .	12,582	25,683	27,991	89	175	183	(X)	(X)	13
Long-term debt retired . . . . .	5,541	11,397	17,980	39	78	118	(X)	(X)	9

<sup>1</sup> Represents or rounds to zero. <sup>2</sup> Not applicable. <sup>3</sup> 1980 and 1990 based on enumerated resident population as of April 1; 1985 data based on estimated resident population as of July 1 and do not reflect revisions based on the 1990 Census of Population. <sup>4</sup> Includes judicial and legal as well as other governmental administration. <sup>5</sup> Includes equipment. <sup>6</sup> Included in items shown above.

**No. 475. City Governments—Total and Per Capita Revenue, Expenditure, and Debt for Largest Cities: 1990**

[For fiscal year closed in the 12 months ending June 30, 1990. Cities ranked by size of population estimated as of April 1, 1990, except Honolulu and Baton Rouge ranked by county population. Data reflect inclusion of fiscal activity of dependent school systems, where applicable. Intercity comparisons should be made with caution due to variations in responsibilities among urban areas; for details see text, section 9, and source.]

CITIES RANKED BY 1990 POPULATION	GENERAL REVENUE		INTERGOV REVENUE		TAXES		GENERAL EXPENDITURE		GROSS DEBT OUTSTANDING	
	Total (mil. dol.)	Per capita <sup>1</sup>	Total (mil. dol.)	Per capita <sup>1</sup>	Total (mil. dol.)	Per capita <sup>1</sup>	Total (mil. dol.)	Per capita <sup>1</sup>	Total (mil. dol.)	Per capita <sup>1</sup>
New York City, NY <sup>2</sup>	32,056	4,360	12,334	1,677	15,171	2,063	31,292	4,256	26,005	3,537
Los Angeles, CA	3,519	1,050	439	131	1,739	519	3,228	963	6,278	1,873
Chicago, IL	3,033	1,019	752	253	1,597	536	2,865	962	4,298	1,443
Houston, TX	1,296	763	57	34	692	408	1,387	817	3,511	2,126
Philadelphia, PA <sup>2</sup>	2,587	1,571	611	371	1,588	964	2,579	1,566	3,796	2,305
San Diego, CA	1,087	1,016	195	182	348	325	868	811	1,406	1,314
Detroit, MI	1,517	1,465	673	650	522	503	1,458	1,408	1,450	1,400
Dallas, TX	812	822	38	39	475	481	785	795	1,570	1,590
Phoenix, AZ	958	1,036	314	339	317	343	1,153	1,246	2,062	2,228
San Antonio, TX	534	566	96	102	201	214	688	730	4,035	4,278
San Jose, CA	605	819	79	107	308	418	680	921	1,043	1,412
Baltimore, MD <sup>2</sup>	1,655	2,203	802	1,068	640	852	1,495	1,989	1,257	1,673
Indianapolis, IN	886	1,191	257	353	388	533	899	1,237	953	1,311
San Francisco, CA <sup>2</sup>	2,342	3,202	740	1,011	867	1,185	1,866	2,577	2,392	3,269
Jacksonville, FL	673	1,060	143	225	223	352	695	1,094	4,297	6,768
Columbus, OH	476	835	72	127	261	459	466	853	1,072	1,882
Milwaukee, WI	559	932	277	463	154	258	551	920	516	860
Memphis, TN	750	1,162	469	728	154	239	717	1,112	736	1,141
Washington, DC <sup>2</sup>	4,080	6,612	1,306	2,117	2,310	3,744	4,142	6,713	3,423	5,548
Boston, MA <sup>2</sup>	1,603	2,775	746	1,292	576	996	1,498	2,593	854	1,478
Seattle, WA	630	1,255	93	186	320	637	546	1,088	904	1,800
El Paso, TX	244	472	25	48	111	216	233	453	451	874
Cleveland, OH	521	1,000	130	250	268	514	501	960	713	1,367
New Orleans, LA <sup>2</sup>	634	1,193	127	238	272	511	662	1,245	1,128	2,122
Nashville-Davidson, TN <sup>2</sup>	916	1,903	183	380	455	946	843	1,752	2,331	4,842
Denver, CO <sup>2</sup>	939	1,907	205	417	359	730	910	1,849	1,266	2,573
Austin, TX	534	1,148	64	138	170	366	541	1,164	3,188	6,860
Fort Worth, TX	401	941	80	188	191	448	389	913	942	2,208
Oklahoma City, OK	328	756	28	64	163	375	315	725	504	1,161
Portland, OR	392	932	73	174	205	488	370	878	639	1,518
Kansas City, MO	517	1,177	50	114	309	703	496	1,129	616	1,403
Long Beach, CA	573	1,382	98	235	153	369	583	1,406	749	1,804
Tucson, AZ	350	896	120	309	130	332	352	902	773	1,982
St. Louis, MO <sup>2</sup>	513	1,271	74	184	287	712	529	1,310	709	1,756
Charlotte, NC	383	1,026	104	278	136	365	432	1,158	706	1,893
Atlanta, GA	680	1,618	166	394	209	497	582	1,385	1,069	2,544
Virginia Beach, VA <sup>2</sup>	680	1,861	253	693	335	916	643	1,761	508	1,390
Albuquerque, NM	461	1,219	162	429	121	318	495	1,307	1,264	3,339
Oakland, CA	476	1,335	75	209	202	566	482	1,350	1,110	3,111
Pittsburgh, PA	357	952	89	238	222	592	353	940	604	1,609
Sacramento, CA	272	803	27	80	143	424	272	803	309	913
Minneapolis, MN	584	1,693	165	477	190	553	621	1,801	1,980	5,745
Tulsa, OK	379	1,029	20	55	152	411	362	982	1,451	3,939
Honolulu, HI <sup>2</sup>	1,018	1,215	116	138	387	462	726	866	805	960
Cincinnati, OH	483	1,305	100	271	220	593	478	1,290	231	622
Miami, FL	309	832	66	177	163	440	324	874	560	1,510
Fresno, CA	209	681	39	126	99	322	182	593	260	849
Omaha, NE	217	614	41	116	131	372	213	602	179	507
Toledo, OH	235	689	45	133	126	370	242	711	194	569
Buffalo, NY	639	2,037	441	1,407	123	393	686	2,188	384	1,223
Wichita, KS	246	833	41	139	73	247	203	687	559	1,892
Santa Ana, CA	170	711	30	124	97	404	156	652	329	1,375
Mesa, AZ	172	613	56	201	43	153	187	668	534	1,903
Colorado Springs, CO	231	817	21	76	81	287	237	837	430	1,517
Tampa, FL	329	1,169	54	192	111	395	361	1,282	1,217	4,317
Newark, NJ	316	1,005	174	555	84	269	349	1,113	150	478
St. Paul, MN	422	1,628	156	604	87	336	392	1,513	986	3,807
Louisville, KY	222	788	39	138	141	500	315	1,118	359	1,274
Anaheim, CA	261	1,066	40	165	108	442	262	1,072	669	2,733
Birmingham, AL	225	812	31	112	141	509	258	931	730	2,634
Arlington, TX	148	575	10	40	84	328	153	594	422	1,639
Norfolk, VA	540	1,885	220	767	199	694	559	1,950	540	1,885
Las Vegas, NV	275	1308	90	428	55	261	216	1025	89	421
Corpus Christi, TX	139	532	10	40	69	263	138	530	424	1,626
St. Petersburg, FL	225	955	23	100	79	335	226	958	543	2,306
Rochester, NY	568	2,470	317	1,380	155	674	532	2,317	213	927
Jersey City, NJ	177	815	70	321	88	405	222	1,019	172	792
Riverside, CA	182	865	22	106	74	350	181	857	627	2979
Anchorage, AK <sup>2</sup>	648	2,968	278	1,271	173	790	620	2,837	1,008	4,614
Lexington-Fayette, KY <sup>2</sup>	205	910	33	145	96	426	209	925	429	1,901
Akron, OH	179	809	25	115	89	404	180	813	131	581
Aurora, CO	150	684	12	56	82	375	148	678	464	2,123
Baton Rouge, LA <sup>2</sup>	350	970	41	114	172	477	344	955	766	2,126
Stockton, CA	134	704	22	116	64	338	122	638	176	924
Raleigh, NC	165	878	58	311	67	356	153	816	97	515

<sup>1</sup> Based on 1988 estimated population as of July 1. Estimates do not reflect revisions based on the 1990 Census of Population.

<sup>2</sup> Represents, in effect, city-county consolidated government.

Source: U.S. Bureau of the Census, *City Government Finances*, series GF, No. 4, annual.

**No. 476. City Governments—Finances,**  
 [In millions of dollars. For fiscal year closed]

CITIES RANKED BY 1990 <sup>1</sup> POPULATION	REVENUE							Gross debt out- standing	
	Total <sup>2</sup>	General revenue			Utility and liquor store revenue	Utility and liquor store revenue	Utility and liquor store revenue		
		Total <sup>2</sup>	Intergovernmental	From State and local govts	From Federal Government	Total <sup>2</sup>	Prop- erty	Sales and gross receipts	
New York City, NY <sup>3</sup>	37,507	32,056	11,339	994	15,171	6,589	3,554	1,840	26,005
Los Angeles, CA	6,585	3,519	370	69	1,739	632	773	2,162	6,278
Chicago, IL	3,777	3,033	486	266	1,597	627	831	207	4,298
Houston, TX	1,702	1,296	26	31	692	376	296	227	3,611
Philadelphia, PA <sup>3</sup>	3,380	2,587	459	152	1,588	311	34	558	3,796
San Diego, CA	1,296	1,087	129	66	348	138	186	131	1,406
Detroit, MI	2,021	1,517	560	113	522	182	50	157	1,450
Dallas, TX	1,120	812	19	19	475	278	184	101	1,570
Phoenix, AZ	1,115	958	226	88	317	117	185	112	2,062
San Antonio, TX	1,434	534	57	39	201	111	84	868	4,035
San Jose, CA	700	605	72	7	308	117	137	6	1,043
Baltimore, MD <sup>3</sup>	1,865	1,655	741	61	640	437	45	48	1,257
Indianapolis, IN <sup>3</sup>	892	866	186	71	388	314	16	8	953
San Francisco, CA <sup>3</sup>	2,914	2,342	639	101	867	464	185	185	2,392
Jacksonville, FL <sup>3</sup>	1,399	673	94	48	223	173	41	638	4,297
Columbus, OH	547	476	46	26	261	22	6	71	1,072
Milwaukee, WI	781	559	235	42	154	143	4	39	516
Memphis, TN	1,689	750	455	14	154	115	29	806	736
Washington, DC <sup>3</sup>	4,323	4,080	73	1,234	2,310	727	674	52	3,423
Boston, MA <sup>3</sup>	1,905	1,603	675	71	576	533	28	58	854
Seattle, WA	1,011	630	66	27	320	106	141	321	904
El Paso, TX	303	244	11	14	111	56	52	34	451
Cleveland, OH	677	521	57	73	268	50	3	156	713
New Orleans, LA <sup>3</sup>	716	634	39	88	272	123	130	49	1,128
Nashville-Dayton, TN <sup>3</sup>	1,547	916	169	14	455	261	162	501	2,331
Denver, CO <sup>3</sup>	1,088	939	160	46	359	99	218	86	1,266
Austin, TX	1,033	534	55	9	170	103	63	453	3,188
Fort Worth, TX	501	401	30	50	191	130	57	56	942
Oklahoma City, OK	370	328	4	24	163	25	134	30	504
Portland, OR	441	392	53	20	205	144	30	44	639
Kansas City, MO	620	517	25	25	309	56	132	41	616
Long Beach, CA	740	573	65	33	153	67	71	166	749
Tucson, AZ	437	350	94	27	130	26	98	70	773
St. Louis, MO <sup>3</sup>	645	513	31	43	287	36	120	30	709
Charlotte, NC	422	383	85	19	136	121	5	30	706
Atlanta, GA	801	680	95	70	209	113	64	62	1,069
Virginia Beach, VA <sup>3</sup>	717	680	167	86	335	202	106	37	508
Albuquerque, NM	505	461	109	53	121	43	73	44	1,264
Baton Rouge, LA <sup>3</sup>	386	350	23	18	172	53	108	3	766
Oakland, CA	503	476	49	26	202	100	60	-	1,110
Pittsburgh, PA	391	357	64	25	222	102	22	-	604
Sacramento, CA	327	272	27	614	143	45	84	19	309
Minneapolis, MN	730	584	134	31	190	147	34	24	1,980
Tulsa, OK	437	379	13	7	152	18	130	38	1,451
Honolulu, HI <sup>3</sup>	1,095	1,018	50	66	387	302	54	77	805
Cincinnati, OH	640	483	61	39	220	37	4	54	231
Miami, FL	372	309	36	29	163	120	35	-	560
Fresno, CA	266	209	26	12	99	35	48	17	260
Omaha, NE	247	217	31	9	131	60	63	-	179
Toledo, OH	254	235	32	13	126	13	-	20	194
Buffalo, NY	656	639	388	53	123	108	10	17	384
Wichita, KS	304	246	41	-	73	49	21	20	559
Santa Ana, CA	188	170	27	3	97	44	42	18	329
Mesa, AZ	240	172	50	7	43	4	35	68	534
Colorado Springs, CO	498	231	13	8	81	16	64	267	430
Tampa, FL	429	329	39	15	111	44	58	24	1,217
Newark, NJ	344	316	162	12	84	50	8	28	150
St. Paul, MN	461	422	99	57	87	66	16	24	986
Louisville, KY	277	222	11	28	141	53	18	55	359
Anaheim, CA	475	261	38	2	108	38	62	215	669
Birmingham, AL	259	225	23	8	141	26	46	-	730
Arlington, TX	178	148	1	9	84	48	35	30	422
Norfolk, VA <sup>3</sup>	593	540	159	61	199	113	65	33	540
Las Vegas, NV	275	275	85	90	55	21	12	-	89
Corpus Christi, TX	189	139	4	6	69	38	29	50	424
St. Petersburg, FL	278	225	18	5	79	48	27	39	543
Rochester, NY	591	568	255	62	155	142	10	23	213
Jersey City, NJ	201	177	70	70	88	86	-	18	172
Riverside, CA	327	182	20	2	74	23	41	145	627
Anchorage, AK <sup>3</sup>	763	648	271	7	173	163	5	90	1,008
Lexington-Fayette, KY <sup>3</sup>	219	205	15	18	96	19	16	1	429
Akron, OH	204	179	13	12	89	15	-	24	131
Aurora, CO	173	150	9	3	82	14	65	24	464
Stockton, CA	139	134	21	2	64	15	37	5	176
Raleigh, NC	181	165	50	8	67	58	2	16	97

- Represents zero. Z Less than \$50,000. <sup>1</sup> Based on enumerated resident population as of April 1. <sup>2</sup> Includes other categories, not shown separately. <sup>3</sup> Represents, in effect, city-county consolidated government.

# City Government Expenditures

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## Largest Cities: 1990

in the 12 months ending June 30, 1990. See headnote, table 475]

Total <sup>2</sup>	EXPENDITURE								CITIES RANKED BY 1990 <sup>1</sup> POPULATION	
	General expenditure									
	Total <sup>2</sup>	Education	Housing and community development	Public welfare	Health and hospitals	Police protection	Fire protection	Highways		
37,630	31,292	7,040	2,287	5,803	3,378	1,760	743	867	New York City, NY <sup>3</sup>	
6,448	3,228	12	229	-	8	618	240	173	Los Angeles, CA	
3,408	2,865	1	128	83	79	535	210	327	Chicago, IL	
1,660	1,387	-	18	-	49	238	132	91	Houston, TX	
3,498	2,579	16	137	191	246	305	114	65	Philadelphia, PA <sup>3</sup>	
1,080	868	-	78	1	1	137	57	53	San Diego, CA	
1,946	1,458	3	41	-	91	287	78	131	Detroit, MI	
989	785	-	12	-	16	141	72	87	Dallas, TX	
1,348	1,153	4	57	1	2	153	79	152	Phoenix, AZ	
1,687	688	1	28	5	16	96	59	59	San Antonio, TX	
721	680	-	62	-	-	91	48	60	San Jose, CA	
1,611	1,495	493	65	2	52	142	77	134	Baltimore, MD <sup>3</sup>	
952	899	(Z)	47	59	155	166	32	49	Indianapolis, IN <sup>3</sup>	
2,519	1,886	52	37	239	410	139	95	27	San Francisco, CA <sup>3</sup>	
1,396	695	-	37	13	29	74	48	33	Jacksonville, FL <sup>3</sup>	
597	486	-	5	-	20	88	57	41	Columbus, OH	
649	551	-	43	-	10	114	56	46	Milwaukee, WI	
1,587	717	372	8	-	14	63	53	18	Memphis, TN	
4,513	4,142	674	247	672	443	276	98	124	Washington, DC <sup>3</sup>	
1,726	1,498	463	55	3	198	157	88	43	Boston, MA <sup>3</sup>	
945	546	-	23	-	11	71	48	61	Seattle, WA	
293	233	-	5	-	12	42	19	113	El Paso, TX	
708	501	-	45	-	16	114	57	40	Cleveland, OH	
750	662	-	63	18	11	56	28	49	New Orleans, LA <sup>3</sup>	
1,505	843	263	6	12	66	54	33	29	Nashville-Davidson, TN <sup>3</sup>	
1,031	910	-	13	98	111	84	46	115	Denver, CO <sup>3</sup>	
1,012	541	(Z)	5	2	109	45	31	72	Austin, TX	
501	389	-	6	-	9	49	31	37	Fort Worth, TX	
371	315	-	8	-	1	47	38	28	Oklahoma City, OK	
441	370	(Z)	28	(Z)	1	74	47	22	Portland, OR	
571	496	24	8	(Z)	44	69	38	50	Kansas City, MO	
775	583	-	62	-	13	81	53	23	Long Beach, CA	
473	352	-	24	2	1	50	23	59	Tucson, AZ	
607	529	1	21	7	43	89	29	16	St. Louis, MO <sup>3</sup>	
508	432	-	9	(Z)	2	34	26	55	Charlotte, NC	
741	582	17	20	2	-	68	37	27	Atlanta, GA	
679	643	293	5	13	17	39	19	79	Virginia Beach, VA <sup>3</sup>	
577	495	-	15	1	6	55	24	36	Albuquerque, NM <sup>3</sup>	
368	344	-	10	1	27	39	18	14	Baton Rouge, LA <sup>3</sup>	
523	482	2	52	1	(Z)	55	37	27	Oakland, CA	
401	353	-	8	(Z)	7	42	36	40	Pittsburgh, PA	
310	272	(Z)	(Z)	-	1	57	33	24	Sacramento, CA	
716	621	(Z)	76	-	10	51	27	41	Minneapolis, MN	
415	362	-	6	-	7	37	30	21	Tulsa, OK	
909	726	-	71	-	8	96	40	40	Honolulu, HI <sup>3</sup>	
577	478	-	56	-	35	57	45	58	Cincinnati, OH	
355	324	(Z)	22	1	(Z)	80	41	11	Miami, FL	
233	182	-	7	-	-	36	17	19	Fresno, CA	
222	213	(Z)	14	(Z)	-	33	24	33	- Omaha, NE	
267	242	-	10	-	6	44	30	28	Toledo, OH	
704	686	329	68	-	1	46	36	25	Buffalo, NY	
237	203	-	(Z)	-	1	23	15	30	Wichita, KS	
172	156	-	28	-	1	40	20	18	Santa Ana, CA	
257	187	-	4	(Z)	-	37	17	18	Mesa, AZ	
525	237	-	7	-	79	30	18	34	Colorado Springs, CO	
436	361	-	6	-	4	42	19	17	Tampa, FL	
387	349	-	16	35	6	56	47	3	Newark, NJ	
432	392	-	58	-	7	31	23	60	St. Paul, MN	
370	315	-	17	3	4	36	21	7	Louisville, KY	
495	282	-	43	-	3	46	17	14	Anaheim, CA	
273	258	3	17	-	3	32	26	17	Birmingham, AL	
176	153	-	12	-	1	22	15	23	Arlington, TX	
605	559	195	63	26	27	30	19	25	Norfolk, VA <sup>3</sup>	
216	216	-	4	(Z)	1	32	26	62	- Las Vegas, NV	
176	138	-	1	-	5	21	11	17	Corpus Christi, TX	
286	226	-	4	-	5	34	13	20	St. Petersburg, FL	
547	532	255	29	-	-	36	24	18	Rochester, NY	
253	222	-	10	6	9	47	39	7	Jersey City, NJ	
128	122	-	3	-	1	27	20	9	Stockton, CA	
736	620	270	-	-	28	35	21	42	Anchorage, AK <sup>3</sup>	
220	209	-	14	6	10	19	19	11	Lexington-Fayette, KY <sup>3</sup>	
201	180	-	9	-	9	25	18	22	Akron, OH	
182	148	-	5	-	(Z)	27	15	15	Aurora, CO	
347	181	-	15	-	1	31	14	18	Riverside, CA	
181	153	-	8	1	(Z)	20	14	25	Raleigh, NC	

Source: U.S. Bureau of the Census, *City Government Finances*, series GF, No. 4, annual.

**No. 477. City Governments—Finances, by Population-Size Groups: 1990**

[For fiscal year closed in the 12 months ending June 30, 1990. Represents all municipalities and their dependent agencies, including dependent school systems where applicable. Size classifications based on 1988 population estimates; municipalities selected according to their 1988 estimated populations. Population data do not reflect revisions based on the 1990 Census of Population]

ITEM	All cities <sup>1</sup>	CITIES HAVING A 1988 POPULATION OF—						
		Less than 75,000 <sup>1</sup>	75,000 to 99,999	100,000 to 199,999	200,000 to 299,999	300,000 to 499,000	500,000 to 999,999	1,000,000 or more
Number of cities, 1990.....	19,265	18,986	93	109	25	27	18	7
Population, 1988 (1,000).....	153,001	82,063	8,108	14,842	6,078	10,418	12,358	19,134
<b>FINANCES, 1990 (mil. dol.)</b>								
<b>General revenue <sup>2</sup>.....</b>	<b>158,301</b>	<b>53,226</b>	<b>7,340</b>	<b>14,528</b>	<b>6,661</b>	<b>12,491</b>	<b>18,960</b>	<b>45,095</b>
Taxes <sup>2</sup> .....	68,788	21,661	3,300	6,109	2,575	5,251	8,235	21,657
Property.....	35,024	12,522	2,127	3,741	1,281	2,312	4,186	8,855
Percent of total taxes.....	51	58	64	61	50	44	51	41
Sales and gross receipts.....	19,190	6,093	902	1,694	838	1,939	1,999	5,725
Intergovernmental <sup>2</sup> .....	45,306	13,862	1,813	3,921	1,832	2,985	5,831	15,062
From State governments.....	34,243	10,433	1,476	2,987	1,283	1,809	3,316	12,939
From Federal Government.....	7,545	1,782	247	552	386	795	2,091	1,692
Current charges.....	25,265	10,015	1,249	2,546	1,224	2,384	2,515	5,332
Water supply and other utilities revenue <sup>3</sup> .....	33,266	16,132	1,459	3,476	1,329	1,957	3,629	5,284
<b>General expenditure <sup>2</sup>.....</b>	<b>153,684</b>	<b>50,450</b>	<b>7,227</b>	<b>14,933</b>	<b>6,664</b>	<b>12,387</b>	<b>18,344</b>	<b>43,679</b>
Police and fire protection.....	27,670	10,999	1,510	2,974	1,236	2,368	3,129	5,454
Education.....	17,368	3,060	1,111	2,237	899	931	2,059	7,071
Sewerage and sanitation.....	16,476	7,263	728	1,515	651	1,373	1,826	3,120
Highways.....	12,106	5,902	651	1,222	557	990	1,077	1,707
Health and hospitals.....	9,141	2,316	271	541	215	522	1,423	3,853
Public welfare.....	7,890	276	51	218	78	176	1,013	6,078
Housing and community development.....	7,661	1,835	335	675	413	576	908	2,819
Interest on general debt.....	11,317	3,768	519	1,148	709	1,407	1,422	2,344
Water supply and other utilities expenditure <sup>3</sup> .....	38,436	16,931	1,570	3,598	1,477	2,301	4,415	8,144
<b>Gross debt outstanding.....</b>	<b>212,919</b>	<b>71,082</b>	<b>9,553</b>	<b>20,967</b>	<b>12,821</b>	<b>23,442</b>	<b>28,209</b>	<b>46,845</b>
Long term.....	207,487	69,011	9,307	20,694	12,652	23,056	27,954	44,813
Short term.....	5,432	2,073	246	273	169	385	255	2,031
<b>PERCENT DISTRIBUTION</b>								
<b>General revenue <sup>2</sup>.....</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
Taxes <sup>2</sup> .....	44	41	45	42	39	42	43	48
Property.....	22	24	29	26	19	19	22	20
Sales and gross receipts.....	12	11	12	12	13	16	11	13
Intergovernmental.....	29	26	25	27	28	24	31	33
Current charges.....	16	19	17	18	18	19	13	12
<b>General expenditure <sup>2</sup>.....</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
Police and fire protection.....	18	22	21	20	19	19	17	13
Education.....	11	6	15	15	14	8	11	16
Sewerage and sanitation.....	11	14	10	10	10	11	10	7
Highways.....	8	12	9	8	8	8	6	4
Health and hospitals.....	6	5	4	4	3	4	8	9
Public welfare.....	5	1	1	2	1	1	6	14
Housing and community development.....	5	4	5	5	6	5	5	7
Interest on general debt.....	7	7	7	8	11	11	8	5
<b>PER CAPITA <sup>4</sup> (dollars)</b>								
<b>General revenue <sup>2</sup>.....</b>	<b>1,035</b>	<b>649</b>	<b>905</b>	<b>979</b>	<b>1,096</b>	<b>1,199</b>	<b>1,534</b>	<b>2,357</b>
Taxes <sup>2</sup> .....	450	264	407	412	424	504	666	1,132
Property.....	229	153	262	252	211	222	339	463
Sales and gross receipts.....	126	74	111	114	138	186	162	299
Intergovernmental <sup>2</sup> .....	296	169	224	264	302	287	472	787
From State governments.....	224	127	182	201	211	174	268	676
From Federal Government.....	49	22	31	37	64	76	169	89
Current charges.....	165	122	154	172	201	229	204	279
Water supply and other utilities revenue <sup>3</sup> .....	218	197	180	234	219	188	294	276
<b>General expenditure <sup>2</sup>.....</b>	<b>1,005</b>	<b>615</b>	<b>891</b>	<b>1,006</b>	<b>1,097</b>	<b>1,189</b>	<b>1,484</b>	<b>2,283</b>
Police and fire protection.....	181	134	186	200	203	227	253	386
Education.....	114	37	137	151	148	89	167	370
Sewerage and sanitation.....	108	89	90	102	107	132	148	163
Highways.....	79	72	80	82	92	95	87	89
Health and hospitals.....	60	28	34	37	35	50	115	201
Public welfare.....	52	3	6	15	13	17	82	318
Housing and community development.....	50	22	41	46	68	55	74	153
Interest on general debt.....	74	46	64	77	117	135	115	123
Water supply and other utilities expenditure <sup>3</sup> .....	251	206	194	243	243	221	357	426
<b>Gross debt outstanding.....</b>	<b>1,392</b>	<b>866</b>	<b>1,178</b>	<b>1,413</b>	<b>2,110</b>	<b>2,250</b>	<b>2,283</b>	<b>2,448</b>
Long term.....	1,356	841	1,148	1,394	2,082	2,213	2,262	2,342
Short term.....	36	25	30	18	28	37	21	106

<sup>1</sup> Data are estimates subject to sampling variation, see source and Appendix III. <sup>2</sup> Includes items not shown separately.

<sup>3</sup> Include liquor stores. <sup>4</sup> Based on 1988 estimated resident population as of July 1.

**No. 478. Estimated State and Local Taxes Paid by a Family of Four in Selected Large Cities, by Income Level: 1990**

[Preliminary. Data based on average family of four (two wage earners and two school age children) owning their own home and living in a city where taxes apply. Comprises State and local sales, income, auto, and real estate taxes. For definition of median, see Guide to Tabular Presentation]

CITY	TOTAL TAXES PAID BY GROSS FAMILY INCOME LEVEL (dol.)				PERCENT OF INCOME BY INCOME LEVEL			
	\$25,000	\$50,000	\$75,000	\$100,000	\$25,000	\$50,000	\$75,000	\$100,000
Albuquerque, NM	1,998	4,081	6,839	9,608	8.0	8.2	9.1	9.6
Atlanta, GA	2,707	5,445	8,909	11,842	10.8	10.9	11.9	11.8
Baltimore, MD	2,826	5,748	8,849	11,726	11.3	11.5	11.8	11.7
Bridgeport, CT	2,966	5,304	8,982	11,585	11.9	10.6	12.0	11.6
Burlington, VT	2,196	4,448	7,587	10,438	8.8	8.9	10.1	10.4
Charleston, WV	1,749	3,653	6,499	8,984	7.0	7.3	8.7	9.0
Charlotte, NC	2,129	4,603	7,531	10,066	8.5	9.2	10.0	10.1
Chicago, IL	2,160	4,241	6,604	8,657	8.6	8.5	8.8	8.7
Cleveland, OH	2,484	5,195	8,282	11,413	9.9	10.4	11.0	11.4
Columbia, SC	2,312	5,208	8,728	11,620	9.2	10.4	11.6	11.6
Des Moines, IA	2,556	5,254	8,261	10,946	10.2	10.5	11.0	10.9
Detroit, MI	2,980	6,112	9,570	13,458	11.9	12.2	12.8	13.5
Honolulu, HI	2,112	4,665	7,681	10,501	8.4	9.3	10.2	10.5
Indianapolis, IN	2,203	3,912	6,491	8,378	8.8	7.8	8.7	8.4
Jackson, MS	1,880	4,068	6,937	9,280	7.5	8.1	9.2	9.3
Louisville, KY	2,411	5,035	7,922	10,548	9.6	10.1	10.6	10.5
Memphis, TN	1,787	3,039	4,567	5,845	7.1	6.1	6.1	5.8
Milwaukee, WI	3,436	7,411	11,474	15,156	13.7	14.8	15.3	15.2
Newark, NJ	2,800	5,609	8,733	11,892	11.2	11.2	11.6	11.9
New York City, NY	2,647	6,323	10,608	14,480	10.6	12.6	14.1	14.5
Norfolk, VA	2,167	4,704	7,921	10,438	8.7	9.4	10.6	10.4
Omaha, NE	2,938	5,033	8,530	11,455	11.8	10.1	11.4	11.5
Philadelphia, PA	3,192	6,071	8,940	11,661	12.8	12.1	11.9	11.7
Portland, ME	2,118	4,934	8,941	12,083	8.5	9.9	11.9	12.1
Portland, OR	3,457	7,310	11,484	15,189	13.8	14.6	15.3	15.2
Providence, RI	2,641	5,232	8,885	11,894	10.6	10.5	11.8	11.9
St. Louis, MO	2,063	4,408	6,985	9,188	8.3	8.8	9.3	9.2
Salt Lake City, UT	2,304	4,940	7,816	10,365	9.2	9.9	10.4	10.4
Sioux Falls, SD	2,106	3,658	5,487	6,980	8.4	7.3	7.3	7.0
Washington, DC	2,372	5,126	8,405	11,539	9.5	10.3	11.2	11.5
Median <sup>1</sup>	2,112	4,448	7,531	10,066	8.4	8.9	10.0	10.1

<sup>1</sup> Median of all 51 cities. For complete list of cities, see table 479.

Source: Government of the District of Columbia, Department of Finance and Revenue, *Tax Rates and Tax Burdens in the District of Columbia: A Nationwide Comparison*, annual.

**No. 479. Residential Property Tax Rates in Selected Large Cities: 1990**

CITY	EFFECTIVE TAX RATE PER \$100		Assessment level (percent)	Nominal rate per \$100	CITY	EFFECTIVE TAX RATE PER \$100		Assessment level (percent)	Nominal rate per \$100
	Rank	Rate				Rank	Rate		
Detroit, MI	1	4.40	49.3	8.92	New Orleans, LA	26	1.46	10.0	14.65
Milwaukee, WI	2	3.78	98.5	3.84	Billings, MT	27	1.44	3.9	37.27
Portland, OR	3	3.32	100.0	3.32	Wilmington, DE	28	1.31	77.7	1.69
Des Moines, IA	4	3.10	79.5	3.90	Phoenix, AZ	29	1.31	10.0	13.08
Newark, NJ	5	2.96	17.4	16.99	Seattle, WA	30	1.30	95.7	1.36
Philadelphia, PA	6	2.64	32.0	8.26	Columbia, SC	31	1.26	4.0	31.42
Omaha, NE	7	2.63	90.0	2.92	Norfolk, VA	32	1.24	90.0	1.38
Providence, RI	8	2.55	100.0	2.55	Louisville, KY	33	1.20	92.0	1.30
Baltimore, MD	9	2.46	40.0	6.16	Wichita, KS	34	1.17	7.8	14.97
Manchester, NH	10	2.36	21.0	11.22	Charlotte, NC	35	1.15	86.0	1.34
Sioux Falls, SD	11	2.27	90.0	2.52	St. Louis, MO	36	1.15	19.0	6.03
Houston, TX	12	2.19	100.0	2.19	Denver, CO	37	1.12	16.6	6.76
Jacksonville, FL	13	2.18	100.0	2.18	Minneapolis, MN	38	1.11	10.9	10.16
Bridgeport, CT	14	2.10	34.9	6.03	Salt Lake City, UT	39	1.08	60.0	1.80
Atlanta, GA	15	2.08	40.0	5.20	Oklahoma City, OK	40	1.04	11.0	9.45
Cleveland, OH	16	2.00	35.0	5.70	Albuquerque, NM	41	1.04	33.3	3.11
Boise City, ID	17	1.92	98.1	1.96	Washington, DC	42	0.96	94.6	1.01
Fargo, ND	18	1.78	4.5	39.59	Little Rock, AR	43	0.95	18.7	5.08
Memphis, TN	19	1.77	25.0	7.09	Las Vegas, NV	44	0.88	35.0	2.50
Anchorage, AK	20	1.76	95.0	1.85	Boston, MA	45	0.85	100.0	0.85
Portland, ME	21	1.74	46.4	3.75	New York City, NY	46	0.79	8.0	9.84
Burlington, VT	22	1.65	72.0	2.29	Casper, WY	47	0.71	9.5	7.50
Chicago, IL	23	1.63	16.0	10.20	Birmingham, AL	48	0.70	10.0	6.95
Indianapolis, IN	24	1.62	15.0	10.79	Los Angeles, CA	49	0.63	61.2	1.03
Jackson, MS	25	1.47	10.0	14.73	Charleston, WV	50	0.61	35.3	1.73
					Honolulu, HI	51	0.48	100.0	0.48

Source: Government of the District of Columbia, Department of Finance and Revenue, *Tax Rates and Tax Burdens in the District of Columbia: A Nationwide Comparison*, annual.

**No. 480. Gross Assessed Value of Property and Government Revenue From Property Taxes: 1975 to 1990**

[In billions of dollars, except percent. Data are estimates subject to sampling variability; see Appendix III and source]

ITEM	1975	1979	1981	1984	1985	1986	1987	1988	1989	1990
<b>Gross assessed value of property<sup>1</sup></b>	<b>1,096.3</b>	<b>1,678.8</b>	<b>2,958.2</b>	<b>4,053.1</b>	<b>(NA)</b>	<b>4,817.8</b>	<b>(NA)</b>	<b>(NA)</b>	<b>6,013.2</b>	<b>(NA)</b>
State assessed	74.8	113.5	159.2	200.1	(NA)	242.9	(NA)	(NA)	257.2	(NA)
Locally assessed	1,021.5	1,565.3	2,799.0	3,853.0	(NA)	4,574.9	(NA)	(NA)	5,756.0	(NA)
Real property	881.6	1,358.5	2,514.9	3,446.5	(NA)	4,104.5	(NA)	(NA)	5,219.7	(NA)
Percent of locally assessed	86.3	86.8	89.8	89.4	(NA)	89.7	(NA)	(NA)	90.7	(NA)
Net assessed value of locally taxable property <sup>2</sup>	1,062.9	1,607.3	2,837.5	3,868.8	(NA)	4,619.7	(NA)	(NA)	5,791.1	(NA)
Percent of gross assessed	97.0	95.7	95.9	95.5	(NA)	95.9	(NA)	(NA)	96.3	(NA)
REVENUE FROM PROPERTY TAXES										
<b>Total revenue, State and local</b>	<b>51.5</b>	<b>64.9</b>	<b>75.0</b>	<b>96.5</b>	<b>103.8</b>	<b>111.7</b>	<b>121.2</b>	<b>132.2</b>	<b>142.5</b>	<b>155.6</b>
Percent of general revenue	22.6	18.9	17.7	17.8	17.4	17.4	17.7	18.2	18.1	18.3
Percent of tax revenue	36.4	31.6	30.7	30.1	29.7	29.9	29.9	30.4	30.4	31.0
Revenue, State governments	1.5	2.5	2.9	3.9	4.0	4.4	4.6	5.0	5.4	5.8
Percent of general revenue	0.9	1.0	0.9	1.0	0.9	0.9	0.9	1.1	1.1	1.1
Percent of tax revenue	1.8	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9
Revenue, local governments	50.0	62.5	72.0	92.6	99.8	107.4	116.6	127.2	137.1	149.8
Annual average percent change from prior year shown	36.6	5.7	7.3	7.9	7.8	7.6	8.6	9.1	7.8	9.3
Percent of general revenue	32.2	26.6	25.0	25.3	24.8	24.7	24.8	29.3	29.3	29.2
Percent of tax revenue	81.6	77.5	76.0	75.0	74.2	74.0	73.7	74.1	74.3	74.5

NA Not available. <sup>1</sup> Gross assessed value amounts may include prior year components for those states unable to report data for indicated year at time of publication. See sources for definitions of terms and limitations of data. <sup>2</sup> Value subject to local general property taxation, including State-assessed property, after deduction of partial exemptions. <sup>3</sup> Change from 1971.

Source: U.S. Bureau of the Census, *Census of Governments: 1982 and 1987*, vol. 2: *Property Values Subject to Local General Property Taxation in the United States: 1975 and 1979*, series GSS Nos. 80, 92, and 98; and *Government Finances*, series GF, No. 5, annual.

**No. 481. Governmental Employment and Payrolls: 1970 to 1990**[For October. Covers both full-time and part-time employees. Except for 1987, local government data are estimates subject to sampling variation; see source and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series Y 272-307]

TYPE OF GOVERNMENT	1970	1975	1980	1983	1984	1985	1986	1987	1988	1989	1990
<b>EMPLOYEES (1,000)</b>											
<b>Total</b>	<b>13,028</b>	<b>14,973</b>	<b>16,213</b>	<b>16,034</b>	<b>16,436</b>	<b>16,890</b>	<b>16,933</b>	<b>17,212</b>	<b>17,588</b>	<b>17,879</b>	<b>18,369</b>
Federal (civilian) <sup>1</sup>	2,881	2,890	2,898	2,875	2,942	3,021	3,019	3,091	3,112	3,114	3,105
State and local	10,147	12,084	13,315	13,159	13,494	13,669	13,913	14,121	14,476	14,765	15,283
Percent of total	77.9	80.7	82.1	82.1	81.9	82.2	82.0	82.3	82.6	83.1	
State	2,755	3,271	3,753	3,816	3,898	3,984	4,068	4,116	4,236	4,365	4,503
Local	7,392	8,813	9,562	9,344	9,595	9,685	9,846	10,005	10,240	10,400	10,760
Counties	1,229	1,563	1,853	1,811	1,872	1,891	1,926	1,963	2,024	2,085	2,167
Municipalities	2,244	2,506	2,561	2,424	2,434	2,467	2,494	2,493	2,570	2,569	2,642
School districts	3,316	3,969	4,270	4,211	4,387	4,416	4,502	4,627	4,679	4,774	4,950
Townships	330	392	394	379	386	392	400	393	415	405	418
Special districts	275	383	484	519	516	519	524	529	552	568	585
<b>OCTOBER PAYROLLS (mil. dol.)</b>											
<b>Total</b>	<b>8,334</b>	<b>13,224</b>	<b>19,935</b>	<b>24,525</b>	<b>26,904</b>	<b>28,945</b>	<b>30,670</b>	<b>32,669</b>	<b>34,203</b>	<b>36,763</b>	<b>39,228</b>
Federal (civilian) <sup>1</sup>	2,428	3,584	5,205	6,301	7,137	7,580	7,561	7,924	7,976	8,636	8,999
State and local	5,906	9,640	14,730	18,224	19,767	21,365	23,109	24,745	26,227	28,127	30,229
Percent of total	70.9	72.9	73.9	74.3	73.5	73.8	75.3	75.7	76.7	76.5	77.1
State	1,612	2,653	4,285	5,346	5,815	6,329	6,810	7,263	7,842	8,443	9,083
Local	4,294	6,987	10,445	12,878	13,952	15,036	16,298	17,482	18,385	19,684	21,146
Counties	640	1,183	1,936	2,387	2,595	2,819	3,009	3,270	3,532	3,855	4,192
Municipalities	1,361	2,129	2,951	3,640	3,872	4,191	4,407	4,770	4,979	5,274	5,564
School districts	2,032	3,160	4,683	5,729	6,283	6,746	7,517	7,961	8,298	8,852	9,551
Townships	122	215	330	398	421	446	474	522	556	599	642
Special districts	140	300	546	724	780	834	892	959	1,020	1,104	1,197

<sup>1</sup> Includes employees outside the United States.

Source: U.S. Bureau of the Census, *1982 and 1987 Census of Governments*, vol. 6, No. 5; *Historical Statistics on Governmental Finances and Employment*; and *Public Employment*, series GE, No. 1, annual.

**No. 482. Governmental Employment and Payrolls, by Level of Government and Function: 1990**

[For October. Covers both full-time and part-time employees. Local government data are estimates subject to sampling variation; see source and Appendix III.]

FUNCTION	EMPLOYEES (1,000)						OCTOBER PAYROLLS (mil. dol.)					
	Total	Federal (civilian) <sup>1</sup>	State and local			Total	Federal (civilian) <sup>1</sup>	State and local			Total	Federal (civilian) <sup>1</sup>
			Total	State	Local			Total	State	Local		
<b>Total</b> . . . . .	<b>18,369</b>	<b>3,105</b>	<b>15,263</b>	<b>4,503</b>	<b>10,760</b>	<b>39,228</b>	<b>8,999</b>	<b>30,229</b>	<b>9,083</b>	<b>21,146</b>		
National defense <sup>2</sup> . . . . .	1,038	1,038	(X)	(X)	(X)	2,998	2,998	(X)	(X)	(X)		
Postal Service . . . . .	816	816	(X)	(X)	(X)	2,321	2,321	(X)	(X)	(X)		
Space research and technology . . . . .	25	25	(X)	(X)	(X)	103	103	(X)	(X)	(X)		
Education . . . . .	7,971	13	7,958	1,984	5,974	15,116	37	15,078	3,426	11,652		
Teachers . . . . .	4,545	(X)	4,544	614	3,931	10,637	(X)	10,637	1,576	9,061		
Highways . . . . .	573	4	569	261	308	1,199	14	1,184	596	588		
Health and hospitals . . . . .	1,793	291	1,502	730	772	3,820	826	2,993	1,522	1,472		
Public welfare . . . . .	499	10	489	217	272	954	33	922	455	467		
Police protection . . . . .	832	79	754	89	664	2,134	275	1,860	257	1,603		
Fire protection . . . . .	327	(X)	327	(X)	327	739	(X)	739	(X)	739		
Sanitation and sewerage . . . . .	238	(X)	238	2	236	489	(X)	489	4	484		
Parks and recreation . . . . .	336	24	311	45	266	464	58	406	70	336		
Natural resources . . . . .	427	225	202	164	38	1,074	673	400	335	66		
Financial administration . . . . .	488	140	349	147	202	1,045	357	687	326	362		
Other government administration . . . . .	388	28	361	53	308	618	83	535	122	413		
Judicial and legal . . . . .	348	43	305	110	195	880	142	738	325	413		
All other . . . . .	2,269	369	1,899	701	1,198	5,277	1,079	4,199	1,646	2,553		

X Not applicable. <sup>1</sup> Includes employees outside United States. <sup>2</sup> Includes international relations.

Source: U.S. Bureau of the Census, *Public Employment*, series GE, No. 1.

**No. 483. State and Local Government—Full-Time Employment and Salary, by Sex and Race/Ethnic Group: 1973 to 1990**

[As of June 30. Excludes school systems and educational institutions. Based on reports from State governments (44 in 1973, 48 in 1975 and 1976, 47 in 1977, 45 in 1978, 48 in 1979, 42 in 1980, 49 in 1981, 47 in 1983, 49 in 1984 through 1987, and 50 in 1989 and 1990) and a sample of county, municipal, township, and special district jurisdictions employing 15 or more non-elected, non-appointed full-time employees. Data for 1982 and 1988 not available. For definition of median, see Guide to Tabular Presentation.]

YEAR AND OCCUPATION	EMPLOYMENT (1,000)						MEDIAN ANNUAL SALARY (\$1,000)						
	Total	Male	Female	White <sup>1</sup>	Minority			Male	Female	White <sup>1</sup>	Minority		
					Total <sup>2</sup>	Black <sup>1</sup>	Hispanic <sup>3</sup>				Total <sup>1</sup>	Black <sup>2</sup>	Hispanic <sup>3</sup>
1973 . . . . .	3,809	2,486	1,322	3,115	693	523	125	9.6	7.0	8.8	7.5	7.4	7.4
1975 . . . . .	3,899	2,436	1,464	3,102	797	602	147	11.3	8.2	10.2	8.8	8.6	8.9
1976 . . . . .	4,369	2,724	1,645	3,490	880	664	165	11.8	8.6	10.7	9.2	9.1	9.4
1977 . . . . .	4,415	2,737	1,678	3,480	935	705	175	12.4	9.1	11.3	9.7	9.5	9.9
1978 . . . . .	4,447	2,711	1,736	3,481	966	723	181	13.3	9.7	12.0	10.4	10.1	10.7
1979 . . . . .	4,576	2,761	1,816	3,568	1,008	751	192	14.1	10.4	12.8	10.9	10.6	11.4
1980 . . . . .	3,987	2,350	1,637	3,146	842	619	163	15.2	11.4	13.8	11.8	11.5	12.3
1981 . . . . .	4,665	2,740	1,925	3,591	1,074	780	205	17.7	13.1	16.1	13.5	13.3	14.7
1983 . . . . .	4,492	2,674	1,818	3,423	1,069	768	219	20.1	15.3	18.5	15.9	15.6	17.3
1984 . . . . .	4,580	2,700	1,880	3,458	1,121	799	233	21.4	16.2	19.6	17.4	16.5	18.4
1985 . . . . .	4,742	2,789	1,952	3,563	1,179	835	248	22.3	17.3	20.6	18.4	17.5	19.2
1986 . . . . .	4,779	2,797	1,982	3,549	1,230	865	259	23.4	18.1	21.5	19.6	18.7	20.2
1987 . . . . .	4,849	2,818	2,031	3,600	1,249	872	268	24.2	18.9	22.4	20.9	19.3	21.1
1989 . . . . .	5,257	3,030	2,227	3,863	1,394	961	308	26.1	20.6	24.1	22.1	20.7	22.7
<b>1990, total . . . . .</b>	<b>5,374</b>	<b>3,071</b>	<b>2,302</b>	<b>3,918</b>	<b>1,456</b>	<b>994</b>	<b>327</b>	<b>27.3</b>	<b>21.8</b>	<b>25.2</b>	<b>23.3</b>	<b>22.0</b>	<b>23.8</b>
Officials/administrators . . . . .	299	206	94	254	45	30	10	42.5	35.0	40.2	38.0	37.9	38.1
Professionals . . . . .	1,192	598	594	935	257	157	50	34.7	29.7	31.9	30.6	29.5	31.7
Technicians . . . . .	502	298	204	383	119	74	29	28.0	22.2	25.5	25.1	22.8	25.0
Protective service . . . . .	884	768	116	681	203	140	52	26.3	24.0	27.9	31.2	25.7	30.7
Paraprofessionals . . . . .	392	109	284	244	148	120	21	20.3	18.4	19.2	21.0	18.0	19.6
Admin. support . . . . .	972	123	849	683	289	191	73	20.8	18.9	18.9	19.8	19.4	19.6
Skilled craft . . . . .	456	436	19	347	109	69	30	25.0	20.1	24.7	26.0	24.8	26.2
Service/maintenance . . . . .	676	534	142	392	284	211	61	20.3	16.4	19.8	20.1	18.4	19.8

<sup>1</sup> Non-Hispanic. <sup>2</sup> Includes other minority groups, not shown separately. <sup>3</sup> Hispanic persons may be of any race.

Source: U.S. Equal Employment Opportunity Commission, *State and Local Government Information Report*, annual.

**No. 484. State and Local Government—Employee Benefits: 1990**

[In percent. For January through July. Covers full-time employees in State and local governments. Covers only benefits for which the employer pays part or all of the premium or expenses involved, except unpaid maternity and paternity leave, and long-term care insurance. Based on sample survey of establishments. For data on employee benefits in firms, see table 662]

TYPE OF EMPLOYEE BENEFIT	All employees	Regula r em ploy ees	Teach ers	Police and fire figh ters	TYPE OF EMPLOYEE BENEFIT	All employees	Regula r em ploy ees	Teach ers	Police and fire figh ters
Paid: Vacations . . . . .	67	87	10	98	Accident/sickness . . . . .	21	23	16	17
Holidays . . . . .	74	89	33	94	Noncontributory . . . . .	17	19	15	14
Jury duty leave . . . . .	94	94	97	82	Long-term disability . . . . .	27	26	32	20
Funeral leave . . . . .	63	63	62	75	Noncontributory . . . . .	18	17	23	12
Rest time . . . . .	56	69	22	49	Retirement and savings plans:				
Military leave . . . . .	81	83	74	86	Defined benefit pension . . . . .	90	89	94	92
Sick leave . . . . .	95	93	97	95	Noncontributory . . . . .	23	23	23	21
Personal leave . . . . .	39	33	57	25	Defined contribution . . . . .	9	8	11	13
Lunch time . . . . .	11	8	13	39	Money purchase pension <sup>4</sup> . . . . .	8	7	10	12
Unpaid: Maternity leave . . . . .	51	49	57	45	Additional benefits:				
Unpaid paternity leave . . . . .	33	33	35	29	Child care . . . . .	9	10	7	7
Insurance plans:					Educational assistance:				
Medical . . . . .	93	93	91	97	Job related . . . . .	63	66	53	69
Dental . . . . .	62	62	64	63	Not job related . . . . .	18	20	13	16
Extended care facility . . . . .	74	74	72	80	Eldercare . . . . .	4	4	4	3
Home health care . . . . .	76	76	76	83	Employee assistance program . . . . .	59	64	45	71
Hospital/rgeom & board . . . . .	93	93	91	97	Financial counseling . . . . .	7	8	7	6
In HMO's <sup>3</sup> . . . . .	21	21	19	24	Flexible benefits plans . . . . .	5	4	7	(Z)
Inpatient surgery . . . . .	93	93	91	97	In-house infirmary . . . . .	18	19	17	11
Mental health care:					Long-term care insurance . . . . .	2	2	3	(Z)
Inpatient . . . . .	92	92	90	95	Nonproduction bonuses, cash . . . . .	35	38	23	59
Outpatient . . . . .	88	89	84	94	Parking . . . . .	81	79	87	82
Vision . . . . .	32	31	32	35	Prepaid legal services . . . . .	8	8	6	17
Alcohol abuse treatment:					Recreation facilities . . . . .	15	13	19	22
In detoxification . . . . .	91	92	90	95	Reimbursement accounts <sup>5</sup> . . . . .	31	31	30	26
In rehabilitation . . . . .	76	78	71	81	Relocation allowance . . . . .	13	16	6	11
Outpatient . . . . .	70	72	64	80	Severance pay . . . . .	27	26	28	32
Drug abuse treatment:					Subsidized commuting . . . . .	7	8	1	18
In detoxification . . . . .	91	91	89	95	Subsidized meals . . . . .	7	8	5	4
In rehabilitation . . . . .	74	76	87	79	Travel accident insurance . . . . .	14	14	13	13
Outpatient . . . . .	69	71	62	77	Wellness programs . . . . .	29	31	22	32
Life . . . . .	88	88	87	89					
Noncontributory . . . . .	77	77	78	80					

Z Less than 0.5 percent. <sup>1</sup> Includes all white-collar employees (professional, administrative, technical, clerical) and blue-collar employees (production, service) except those classified as teachers or police and firefighters. <sup>2</sup> Includes all personnel in primary and secondary schools, junior colleges, colleges, and universities whose primary duty is teaching or closely related activities. <sup>3</sup> For definition, see table 156. <sup>4</sup> Fixed contributions are periodically placed in an employee's account and benefits are based on how much money has accumulated at retirement. <sup>5</sup> Account which is used throughout the year to pay for plan premiums or to reimburse the employee for benefit related expenses. Account may be financed by employer, employee, or both.

Source: U.S. Bureau of Labor Statistics, *Employee Benefits in State and Local Governments, 1990*.

**No. 485. State and Local Government Major Collective Bargaining Agreements—****Average Percent Changes in Wage and Compensation Rates Negotiated: 1984 to 1990**

[In percent, except as indicated. Averages presented are means; for definition of mean, see Guide to Tabular Presentation]

ITEM	1984	1985	1986	1987	1988	1989	1990
Compensation rate changes, <sup>1</sup> all settlements:							
First year . . . . .	5.2	4.2	6.2	4.9	5.4	5.1	5.1
Over life of contract <sup>2</sup> . . . . .	5.4	5.1	6.0	4.8	5.3	4.9	5.1
State government: First year . . . . .	4.3	4.8	6.8	4.3	5.3	4.9	4.4
Over life of contract <sup>2</sup> . . . . .	4.0	4.8	6.0	4.3	4.9	4.6	3.9
Local government, first year . . . . .	6.0	3.7	5.6	5.4	5.5	5.6	5.4
Over life of contract <sup>2</sup> . . . . .	6.6	5.5	6.0	5.1	5.8	5.5	5.8
Wage rate changes, <sup>3</sup> all settlements:							
First year . . . . .	4.8	4.6	5.7	4.9	5.1	5.1	4.9
Over life of contract <sup>2</sup> . . . . .	5.1	5.4	5.7	5.1	5.3	5.1	5.0
State government: First year . . . . .	3.6	4.8	6.3	4.1	5.3	5.0	4.7
Over life of contract <sup>2</sup> . . . . .	3.8	4.9	6.0	4.2	5.0	4.7	4.2
Local government: First year . . . . .	5.4	4.4	5.3	5.3	5.0	5.2	5.0
Over life of contract <sup>2</sup> . . . . .	5.9	5.7	5.6	5.5	5.5	5.4	5.2
Number of workers affected (mil.) <sup>4</sup> . . . . .	0.7	1.5	0.9	1.3	1.1	1.1	0.9
State government . . . . .	0.3	0.5	0.3	0.5	0.4	0.5	0.2
Local government . . . . .	0.5	0.9	0.6	0.8	0.7	0.6	0.7
Wage rate changes, all agreements <sup>5</sup> . . . . .	5.0	5.7	5.5	4.9	4.7	5.1	4.6
Source: Current settlements . . . . .	1.9	4.1	2.4	2.7	2.3	2.5	2.0
Prior settlements . . . . .	3.1	1.6	3.0	2.2	2.4	2.6	2.6
Cost-of-living adjustments . . . . .	(Z)						
State government . . . . .	5.4	4.5	5.6	4.3	4.1	4.0	4.7
Local government . . . . .	4.7	6.5	5.4	5.3	5.1	5.9	4.6

Z Less than .05 percent. <sup>1</sup> Data relate to settlements of 5,000 workers or more in each calendar year, whether wages and benefits were changed or not. <sup>2</sup> Average annual rate of change. <sup>3</sup> Data relate to settlements covering 1,000 workers or more in each calendar year but exclude possible changes in wages under cost-of-living adjustment (COLA) clauses, except increases guaranteed by the contract. Includes all settlements, whether wages were changed or not. <sup>4</sup> Number of workers covered by settlements reached in each calendar year. <sup>5</sup> Data relate to all wage changes implemented in the year stemming from settlements reached in the year, deferred from prior year agreements, and cost-of-living clauses.

Source: U.S. Bureau of Labor Statistics, *Current Wage Developments*, monthly.

**No. 486. State and Local Government Employment (Full-Time Equivalent), by Selected Function, 1970 to 1990, and by State, 1990**

[In thousands, for October. Full-time equivalent employment not available for 1985. Except 1987, local government data are estimates subject to sampling variation; see source and Appendix III.]

YEAR, REGION, DIVISION, AND STATE	EDUCATION				HEALTH AND HOSPITALS		HIGHWAYS		POLICE AND FIRE PROTECTION		PUBLIC WELFARE	
	Total		Higher education									
	State	Local	State	Local	State	Local	State	Local	State <sup>1</sup>	Local	State	Local
1970 . . . . .	803.0	3,454.6	722.2	119.4	482.0	469.0	296.8	271.4	55.8	583.7	97.3	152.5
1980 . . . . .	1,062.8	4,278.3	947.7	212.1	649.8	646.4	255.3	277.4	75.5	745.0	171.5	200.4
1986 <sup>2</sup> . . . . .	1,256.4	4,959.3	1,140.4	212.8	652.5	643.9	249.7	284.4	78.5	813.8	186.6	223.1
1987 . . . . .	1,252.3	4,726.7	1,137.4	215.5	659.9	650.4	248.1	266.0	84.6	796.7	190.1	220.6
1988 . . . . .	1,309.5	4,815.5	1,192.7	230.6	673.8	662.6	251.0	288.9	84.3	838.3	198.1	230.9
1989 . . . . .	1,359.8	4,937.5	1,235.1	238.1	686.2	682.8	255.2	285.2	88.7	840.1	200.9	240.6
<b>1990 . . . . .</b>	<b>1,418.5</b>	<b>5,067.5</b>	<b>1,289.2</b>	<b>250.5</b>	<b>695.8</b>	<b>695.6</b>	<b>256.7</b>	<b>293.3</b>	<b>88.1</b>	<b>864.5</b>	<b>212.9</b>	<b>252.1</b>
<b>Northeast . . . . .</b>	<b>181.0</b>	<b>1,014.0</b>	<b>157.4</b>	<b>35.1</b>	<b>176.4</b>	<b>113.2</b>	<b>53.5</b>	<b>73.5</b>	<b>21.3</b>	<b>200.0</b>	<b>44.3</b>	<b>96.3</b>
New England . . . . .	63.9	248.6	56.3	-	47.2	12.8	16.4	14.9	5.4	53.8	19.0	6.3
Maine . . . . .	7.2	29.6	5.8	-	2.9	1.2	2.8	1.5	0.6	3.5	2.0	0.2
New Hampshire . . . . .	5.5	20.2	5.2	-	1.8	0.3	1.9	1.5	0.4	4.0	1.1	2.3
Vermont . . . . .	4.7	13.5	4.4	-	1.2	-	1.2	0.9	0.5	1.0	1.2	-
Massachusetts . . . . .	23.0	106.7	22.1	-	23.9	9.5	5.0	6.0	1.9	28.5	8.7	1.8
Rhode Island . . . . .	7.0	16.5	6.0	-	3.0	-	1.0	0.9	0.3	4.8	1.9	0.1
Connecticut . . . . .	16.5	62.1	12.8	-	14.4	1.8	4.5	4.1	1.7	12.0	4.1	1.9
<b>Middle Atlantic . . . . .</b>	<b>117.1</b>	<b>765.4</b>	<b>101.6</b>	<b>35.1</b>	<b>129.2</b>	<b>100.4</b>	<b>37.1</b>	<b>58.6</b>	<b>15.9</b>	<b>146.2</b>	<b>25.3</b>	<b>90.0</b>
New York . . . . .	52.8	385.4	47.2	19.5	81.3	82.9	14.8	37.1	5.8	81.6	7.8	60.1
New Jersey . . . . .	31.7	169.2	24.2	8.2	22.7	11.3	8.9	10.8	4.7	34.3	7.2	11.4
Pennsylvania . . . . .	32.6	210.8	30.2	7.4	25.2	6.2	13.4	10.7	5.4	30.3	10.3	18.5
<b>Midwest . . . . .</b>	<b>402.7</b>	<b>1,210.0</b>	<b>381.9</b>	<b>61.5</b>	<b>140.8</b>	<b>153.9</b>	<b>51.6</b>	<b>77.9</b>	<b>18.1</b>	<b>192.2</b>	<b>55.3</b>	<b>65.2</b>
<b>East North Central . . . . .</b>	<b>270.4</b>	<b>827.4</b>	<b>257.0</b>	<b>42.9</b>	<b>88.7</b>	<b>105.3</b>	<b>28.9</b>	<b>47.7</b>	<b>12.2</b>	<b>142.7</b>	<b>35.5</b>	<b>48.6</b>
Ohio . . . . .	67.2	200.1	64.8	4.1	23.1	28.5	8.7	13.1	2.2	35.7	2.1	22.7
Indiana . . . . .	48.2	111.0	43.6	-	12.5	22.3	4.9	6.0	1.8	16.7	5.3	3.0
Illinois . . . . .	53.7	218.2	50.7	17.7	24.5	22.8	9.1	10.6	4.2	49.0	13.2	7.6
Michigan . . . . .	66.3	195.5	64.3	11.7	19.8	21.6	4.2	8.8	3.2	25.2	13.8	2.8
Wisconsin . . . . .	35.0	102.6	33.6	9.4	8.8	10.1	2.0	9.2	0.8	16.1	1.1	12.5
<b>West North Central . . . . .</b>	<b>132.3</b>	<b>382.6</b>	<b>124.9</b>	<b>18.6</b>	<b>52.1</b>	<b>48.6</b>	<b>22.7</b>	<b>30.2</b>	<b>5.9</b>	<b>49.5</b>	<b>19.8</b>	<b>16.6</b>
Minnesota . . . . .	37.5	85.2	35.8	1.3	9.7	15.3	5.1	7.5	0.9	10.2	1.8	9.5
Iowa . . . . .	27.7	66.9	26.6	5.7	9.5	9.5	2.8	5.5	0.9	6.9	3.7	1.7
Missouri . . . . .	23.5	101.2	21.3	4.5	15.6	10.8	6.8	6.2	1.9	17.1	6.4	2.6
North Dakota . . . . .	7.1	12.8	6.7	-	2.3	0.2	1.1	1.1	0.2	1.4	0.4	0.8
South Dakota . . . . .	4.5	16.0	4.1	-	2.1	0.6	1.2	1.5	0.3	1.6	1.1	-
Nebraska . . . . .	11.3	36.4	10.7	2.2	4.8	4.4	2.2	3.1	0.7	4.2	2.8	1.2
Kansas . . . . .	20.7	64.1	19.7	4.9	8.4	7.7	3.5	5.3	1.0	8.1	3.6	0.8
<b>South . . . . .</b>	<b>506.8</b>	<b>1,869.5</b>	<b>461.5</b>	<b>75.8</b>	<b>277.7</b>	<b>281.1</b>	<b>104.8</b>	<b>91.8</b>	<b>29.2</b>	<b>291.5</b>	<b>85.2</b>	<b>36.8</b>
<b>South Atlantic . . . . .</b>	<b>238.6</b>	<b>910.1</b>	<b>217.8</b>	<b>42.9</b>	<b>139.3</b>	<b>141.2</b>	<b>56.3</b>	<b>39.2</b>	<b>17.1</b>	<b>158.0</b>	<b>34.2</b>	<b>27.7</b>
Delaware . . . . .	6.9	11.5	6.7	-	3.7	-	1.4	0.5	0.7	1.4	1.7	-
Maryland . . . . .	27.0	92.6	24.9	9.2	13.8	3.2	5.3	5.7	2.4	18.5	6.8	1.8
Dist. of Columbia . . . . .	(X)	12.8	(X)	1.6	(X)	8.1	(X)	1.0	(X)	7.3	(X)	1.9
Virginia . . . . .	43.9	131.4	40.9	-	25.0	8.5	12.8	4.0	2.4	18.9	2.2	7.0
West Virginia . . . . .	13.4	41.3	11.9	-	3.2	4.0	5.5	1.0	0.9	3.0	2.1	-
North Carolina . . . . .	41.1	146.0	38.1	12.3	17.2	22.5	11.5	3.3	3.1	18.9	1.1	10.7
South Carolina . . . . .	30.4	70.5	27.4	-	17.2	13.3	5.1	2.3	1.7	9.3	5.1	0.5
Georgia . . . . .	37.1	141.7	31.9	0.3	28.2	44.0	6.5	7.4	2.1	24.1	7.3	0.7
Florida . . . . .	38.8	262.3	36.1	19.5	31.0	37.6	10.2	14.0	3.8	56.6	7.9	5.1
<b>East South Central . . . . .</b>	<b>113.0</b>	<b>307.8</b>	<b>101.0</b>	<b>4.6</b>	<b>50.0</b>	<b>63.6</b>	<b>18.2</b>	<b>21.4</b>	<b>5.5</b>	<b>44.4</b>	<b>18.1</b>	<b>5.4</b>
Kentucky . . . . .	31.9	75.9	27.7	-	7.2	7.4	6.1	3.0	1.7	8.4	4.6	0.6
Tennessee . . . . .	31.5	86.9	29.5	-	14.8	21.1	4.7	7.0	1.8	16.0	5.7	3.4
Alabama . . . . .	34.1	80.0	29.9	-	17.2	19.7	4.1	7.1	1.0	13.2	4.4	1.1
Mississippi . . . . .	15.5	65.0	13.9	4.6	10.8	15.4	3.3	4.3	1.0	6.8	3.4	0.3
<b>West South Central . . . . .</b>	<b>155.2</b>	<b>651.6</b>	<b>142.6</b>	<b>28.3</b>	<b>88.4</b>	<b>76.3</b>	<b>28.2</b>	<b>31.2</b>	<b>6.6</b>	<b>89.1</b>	<b>32.9</b>	<b>3.7</b>
Arkansas . . . . .	15.6	51.1	13.0	-	8.0	4.4	3.9	3.2	0.9	5.9	3.3	0.3
Louisiana . . . . .	29.6	94.2	26.2	0.1	22.4	10.3	5.4	5.1	1.0	14.5	5.5	0.7
Oklahoma . . . . .	24.7	71.5	22.7	-	10.8	8.6	3.7	5.4	1.7	10.5	7.7	0.2
Texas . . . . .	85.3	434.8	80.7	28.2	47.2	53.0	15.2	17.5	3.0	58.2	16.4	2.5
<b>West . . . . .</b>	<b>327.5</b>	<b>973.4</b>	<b>288.4</b>	<b>77.8</b>	<b>100.2</b>	<b>147.4</b>	<b>46.8</b>	<b>50.1</b>	<b>19.7</b>	<b>180.8</b>	<b>28.1</b>	<b>53.5</b>
<b>Mountain . . . . .</b>	<b>113.0</b>	<b>293.6</b>	<b>105.9</b>	<b>11.3</b>	<b>27.3</b>	<b>32.7</b>	<b>17.0</b>	<b>16.3</b>	<b>5.2</b>	<b>45.4</b>	<b>11.6</b>	<b>7.4</b>
Montana . . . . .	6.6	23.8	5.9	0.2	1.6	1.4	1.8	1.3	0.4	2.0	1.2	0.9
Idaho . . . . .	8.3	22.8	7.7	0.9	1.6	4.1	1.6	1.3	0.4	2.8	0.7	0.1
Wyoming . . . . .	3.3	14.9	3.2	1.6	1.5	2.9	1.7	0.8	0.3	1.7	0.5	-
Colorado . . . . .	30.3	68.5	29.1	1.2	6.1	10.6	2.9	4.7	0.9	11.3	1.5	3.9
New Mexico . . . . .	16.8	35.7	15.9	0.9	6.6	2.6	2.6	1.7	0.5	5.2	2.0	0.3
Arizona . . . . .	21.6	75.1	19.2	6.5	3.1	6.1	3.2	4.0	1.7	12.4	2.6	1.6
Utah . . . . .	19.0	32.7	18.1	-	5.2	1.4	1.8	1.4	0.6	4.3	2.1	0.4
Nevada . . . . .	7.1	20.1	6.8	-	1.6	3.6	1.4	1.1	0.4	5.7	1.0	0.2
<b>Pacific . . . . .</b>	<b>214.5</b>	<b>679.8</b>	<b>182.5</b>	<b>66.5</b>	<b>72.9</b>	<b>114.7</b>	<b>29.8</b>	<b>33.8</b>	<b>14.5</b>	<b>135.4</b>	<b>16.5</b>	<b>46.1</b>
Washington . . . . .	40.1	83.4	38.3	-	13.2	9.9	5.8	5.7	1.8	14.0	6.3	0.7
Oregon . . . . .	19.1	60.6	18.1	6.2	7.2	4.8	3.3	3.4	1.1	8.5	4.1	0.9
California . . . . .	118.3	524.5	113.5	60.3	45.7	99.2	17.7	22.9	11.2	106.5	3.4	44.3
Alaska . . . . .	7.5	11.3	4.2	-	1.1	0.6	2.9	0.7	0.4	1.7	1.6	0.1
Hawaii . . . . .	29.5	-	8.4	-	5.7	0.2	0.1	1.1	-	4.7	1.1	0.1

<sup>1</sup> Represents or rounds to zero. X Not applicable. <sup>2</sup> For State government, represents police protection only.

<sup>2</sup> Beginning 1986, data not comparable with previous years due to a change in how full-time equivalent is calculated; see text, section 9.

Source: U.S. Bureau of the Census, 1987 Census of Governments, vol. 3, No. 2, and Public Employment, series GE, No. 1, annual.

**No. 487. State and Local Government Employment and Average Earnings, by State:  
1986 and 1990**

[For October]

REGION, DIVISION, AND STATE	TOTAL FULL-TIME EQUIVALENT EMPLOYMENT (1,000)				FULL-TIME EQUIVALENT EMPLOYMENT PER 10,000 POPULATION <sup>2</sup>				AVERAGE OCTOBER EARNINGS <sup>3</sup> (dol.)			
	State		Local <sup>1</sup>		State		Local <sup>1</sup>		State		Local <sup>1</sup>	
	1986	1990	1986	1990	1986	1990	1986	1990	1986	1990	1986	1990
U.S. . . . .	3,437	3,840	8,415	9,239	143	154	349	371	2,052	2,472	1,992	2,364
<b>Northeast . . . . .</b>	<b>704</b>	<b>748</b>	<b>1,823</b>	<b>1,945</b>	<b>141</b>	<b>147</b>	<b>365</b>	<b>383</b>	<b>2,180</b>	<b>2,774</b>	<b>2,137</b>	<b>2,651</b>
New England . . . . .	212	223	390	414	166	169	306	313	2,053	2,627	2,005	2,530
Maine . . . . .	20	22	36	42	168	179	307	345	1,714	2,352	1,580	1,978
New Hampshire . . . . .	18	16	29	33	172	145	285	301	1,759	2,352	1,701	2,215
Vermont . . . . .	11	13	15	18	211	233	270	312	1,842	2,302	1,653	2,090
Massachusetts . . . . .	88	93	192	196	151	155	329	325	2,034	2,541	2,082	2,554
Rhode Island . . . . .	19	21	24	27	195	205	245	266	2,041	2,586	2,215	2,656
Connecticut . . . . .	56	58	95	98	175	178	297	299	2,336	3,018	2,089	2,854
<b>Middle Atlantic . . . . .</b>	<b>492</b>	<b>524</b>	<b>1,433</b>	<b>1,531</b>	<b>132</b>	<b>139</b>	<b>384</b>	<b>407</b>	<b>2,233</b>	<b>2,835</b>	<b>2,173</b>	<b>2,684</b>
New York . . . . .	272	285	810	866	158	158	456	482	2,355	2,997	2,266	2,795
New Jersey . . . . .	96	112	283	304	126	145	372	393	2,278	2,859	2,146	2,698
Pennsylvania . . . . .	124	127	340	361	104	107	286	304	1,915	2,437	1,976	2,403
<b>Midwest . . . . .</b>	<b>812</b>	<b>892</b>	<b>2,016</b>	<b>2,155</b>	<b>137</b>	<b>150</b>	<b>340</b>	<b>361</b>	<b>2,007</b>	<b>2,510</b>	<b>2,008</b>	<b>2,307</b>
<b>East North Central . . . . .</b>	<b>529</b>	<b>584</b>	<b>1,414</b>	<b>1,497</b>	<b>127</b>	<b>139</b>	<b>339</b>	<b>356</b>	<b>2,189</b>	<b>2,593</b>	<b>2,057</b>	<b>2,375</b>
Ohio . . . . .	122	139	365	385	113	128	340	355	1,984	2,510	1,911	2,236
Indiana . . . . .	75	89	182	196	136	161	330	354	2,056	2,496	1,686	2,036
Illinois . . . . .	130	145	385	416	113	127	333	364	2,165	2,520	2,166	2,463
Michigan . . . . .	128	144	315	316	140	155	344	340	2,541	2,858	2,329	2,646
Wisconsin . . . . .	74	67	168	183	154	136	351	375	2,128	2,503	2,035	2,372
<b>West North Central . . . . .</b>	<b>283</b>	<b>309</b>	<b>602</b>	<b>658</b>	<b>161</b>	<b>175</b>	<b>342</b>	<b>373</b>	<b>1,863</b>	<b>2,352</b>	<b>1,892</b>	<b>2,152</b>
Minnesota . . . . .	61	70	137	163	145	160	326	374	2,428	2,936	2,318	2,552
Iowa . . . . .	57	57	101	107	199	207	355	387	2,049	2,936	1,735	2,024
Missouri . . . . .	66	74	157	171	130	145	310	334	1,621	1,965	1,826	2,052
North Dakota . . . . .	15	15	22	20	222	234	318	314	1,805	2,057	2,017	2,138
South Dakota . . . . .	13	13	23	24	177	192	330	349	1,684	1,979	1,441	1,733
Nebraska . . . . .	29	29	65	68	184	186	407	430	1,509	2,075	1,785	2,089
Kansas . . . . .	43	50	96	104	174	200	390	421	1,687	2,077	1,700	1,979
<b>South . . . . .</b>	<b>1,238</b>	<b>1,414</b>	<b>2,887</b>	<b>3,236</b>	<b>149</b>	<b>165</b>	<b>348</b>	<b>379</b>	<b>1,803</b>	<b>2,145</b>	<b>1,711</b>	<b>2,014</b>
<b>South Atlantic . . . . .</b>	<b>609</b>	<b>717</b>	<b>1,436</b>	<b>1,639</b>	<b>149</b>	<b>165</b>	<b>351</b>	<b>376</b>	<b>1,834</b>	<b>2,197</b>	<b>1,810</b>	<b>2,194</b>
Delaware . . . . .	17	21	16	17	272	314	252	250	1,795	2,245	1,991	2,458
Maryland . . . . .	80	89	143	159	178	186	321	333	2,046	2,609	2,233	2,776
District of Columbia . . . . .	(X)	(X)	51	57	(X)	(X)	817	939	(X)	(X)	2,594	3,024
Virginia . . . . .	102	117	195	221	177	188	336	356	1,895	2,267	1,787	2,248
West Virginia . . . . .	34	34	61	59	180	188	317	326	1,574	1,919	1,625	1,862
North Carolina . . . . .	93	107	216	244	147	161	341	368	1,935	2,372	1,662	2,065
South Carolina . . . . .	69	79	109	116	204	227	322	333	1,705	1,956	1,558	1,848
Georgia . . . . .	91	112	239	270	149	173	391	418	1,811	2,037	1,589	1,872
Florida . . . . .	124	160	407	497	106	123	348	384	1,748	2,095	1,872	2,247
<b>East South Central . . . . .</b>	<b>247</b>	<b>281</b>	<b>486</b>	<b>542</b>	<b>162</b>	<b>185</b>	<b>320</b>	<b>357</b>	<b>1,706</b>	<b>2,076</b>	<b>1,512</b>	<b>1,769</b>
Kentucky . . . . .	63	75	102	114	170	204	275	310	1,651	2,141	1,596	1,823
Tennessee . . . . .	71	79	157	175	147	163	327	358	1,746	2,055	1,554	1,883
Alabama . . . . .	70	79	131	148	174	196	324	367	1,884	2,196	1,532	1,749
Mississippi . . . . .	42	47	95	105	161	183	364	407	1,430	1,824	1,324	1,543
<b>West South Central . . . . .</b>	<b>381</b>	<b>416</b>	<b>964</b>	<b>1,055</b>	<b>142</b>	<b>156</b>	<b>359</b>	<b>395</b>	<b>1,817</b>	<b>2,101</b>	<b>1,665</b>	<b>1,866</b>
Arkansas . . . . .	39	43	71	78	163	182	299	330	1,724	2,122	1,388	1,545
Louisiana . . . . .	86	85	151	155	191	200	337	368	1,673	2,047	1,494	1,713
Oklahoma . . . . .	64	65	109	116	195	208	329	369	1,733	1,975	1,595	1,761
Texas . . . . .	193	223	633	706	115	131	379	415	1,927	2,192	1,748	1,952
<b>West . . . . .</b>	<b>684</b>	<b>787</b>	<b>1,689</b>	<b>1,902</b>	<b>135</b>	<b>149</b>	<b>334</b>	<b>360</b>	<b>2,356</b>	<b>2,735</b>	<b>2,321</b>	<b>2,770</b>
<b>Mountain . . . . .</b>	<b>219</b>	<b>247</b>	<b>457</b>	<b>512</b>	<b>168</b>	<b>181</b>	<b>351</b>	<b>375</b>	<b>1,976</b>	<b>2,288</b>	<b>1,964</b>	<b>2,276</b>
Montana . . . . .	16	17	29	35	192	211	349	434	1,864	2,072	1,727	1,959
Idaho . . . . .	18	19	33	37	175	186	332	372	1,766	2,100	1,535	1,772
Wyoming . . . . .	11	11	25	24	213	239	494	539	1,924	2,045	1,967	2,110
Colorado . . . . .	50	54	122	130	155	165	375	395	2,368	2,765	2,017	2,292
New Mexico . . . . .	34	40	49	57	231	262	332	379	1,792	2,100	1,680	1,783
Arizona . . . . .	43	50	119	136	128	137	358	370	2,126	2,334	2,185	2,540
Utah . . . . .	33	37	47	51	197	216	283	294	1,654	2,000	1,900	2,092
Nevada . . . . .	15	19	33	42	154	160	343	348	1,990	2,502	2,140	2,574
<b>Pacific . . . . .</b>	<b>465</b>	<b>539</b>	<b>1,231</b>	<b>1,390</b>	<b>124</b>	<b>138</b>	<b>328</b>	<b>355</b>	<b>2,530</b>	<b>2,936</b>	<b>2,456</b>	<b>2,952</b>
Washington . . . . .	79	91	143	164	177	187	320	336	2,231	2,459	2,134	2,515
Oregon . . . . .	44	52	91	100	163	184	338	353	1,975	2,302	2,018	2,322
California . . . . .	279	325	965	1,091	104	109	358	367	2,751	3,209	2,535	3,073
Alaska . . . . .	21	22	20	21	393	401	377	385	3,228	3,543	3,324	3,491
Hawaii . . . . .	41	49	12	13	389	445	113	120	1,844	2,317	2,010	2,536

X Not applicable. <sup>1</sup> Estimates subject to sampling variation; see source and Appendix III. <sup>2</sup> 1986 based on Bureau of the Census estimated resident population as of July 1. <sup>3</sup> Estimates do not reflect revisions based on the Census of Population, 1990 based on enumerated population as of April 1.

Source: U.S. Bureau of the Census, *Public Employment*, series GE, No. 1, annual.

# City Government Employment

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## No. 488. City Government Employment and Payrolls: 1970 to 1990

[For October. Includes only those school systems operated as part of the city government. Represents average for period of intervals shown; for 1970, change from 1960, 1972, 1977, 1982, and 1987 based on complete census of all cities; other years based on sample and subject to sampling variation. For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (-) indicates decrease]

YEAR	ALL EMPLOYEES, FULL-TIME AND PART-TIME (1,000)		OCTOBER PAYROLLS (mil. dol.)		AVERAGE ANNUAL PERCENT CHANGE		FULL-TIME EQUIVALENT EMPLOYMENT <sup>1</sup> (1,000)			AVERAGE EARNINGS IN OCTOBER <sup>2</sup> : FULL-TIME EMPLOYEES (dollars)	
	Total	Excl. education	Total	Excl. education	All employees	October payroll	Total	Education	Other	Education	Other
1970	2,244	1,815	1,361	1,062	2.9	8.8	1,922	359	1,563	838	681
1975	2,506	2,074	2,129	1,725	0.6	7.3	2,142	376	1,767	1,130	972
1976	2,443	2,021	2,235	1,804	-2.5	5.0	2,107	360	1,747	1,207	1,035
1977	2,511	2,084	2,415	1,959	2.8	8.0	2,168	358	1,812	1,280	1,087
1978	2,511	2,086	2,537	2,059	(Z)	5.1	2,165	361	1,804	1,341	1,148
1979	2,553	2,121	2,729	2,215	1.7	7.6	2,189	364	1,825	1,414	1,231
1980	2,561	2,130	2,942	2,403	0.3	7.8	2,166	360	1,806	1,501	1,338
1981	2,469	2,056	3,222	2,640	-3.6	9.5	2,111	346	1,765	1,686	1,500
1982	2,396	2,015	3,428	2,861	-2.9	6.4	2,088	317	1,770	1,791	1,625
1983	2,423	2,051	3,640	3,059	1.1	6.2	2,060	300	1,760	1,962	1,739
1984	2,434	2,070	3,872	3,268	0.4	6.4	2,090	300	1,790	2,033	1,831
1985	2,467	2,102	4,191	3,536	1.4	8.2	(NA)	(NA)	(NA)	2,117	1,953
1986	2,494	2,126	4,407	3,724	1.1	5.1	2,181	320	1,860	2,186	2,044
1987	2,493	2,110	4,770	3,977	(Z)	8.2	2,223	337	1,885	2,406	2,163
1988	2,570	2,188	4,979	4,136	3.1	4.4	2,251	342	1,910	2,566	2,220
1989	2,569	2,190	5,274	4,405	(Z)	5.9	2,268	341	1,927	2,669	2,343
1990	2,642	2,237	5,564	4,675	2.8	5.5	2,295	338	1,957	2,683	2,449

NA Not available. Z Less than .05 percent. <sup>1</sup>Beginning 1986, data not comparable to previous years due to a change in how full-time equivalent is calculated; see text, section 9.

Source: U.S. Bureau of the Census, *Census of Governments, 1972, 1977, 1982, and 1987*, Vol. 3, No. 2, *Compendium of Public Employment*, and *City Employment*, series GE, No. 2, annual.

## No. 489. City Government Employment and Payrolls—All Cities and Cities With 75,000 Population or More, by Function: 1980 to 1990

[For October]

ITEM	EMPLOYEES (1,000)				OCTOBER PAYROLLS (mil. dol.)				Cities with 75,000 population or more, <sup>2</sup> 1990	
	All cities <sup>1</sup>				Cities with 75,000 population or more, <sup>2</sup> 1990	All cities <sup>1</sup>				
	1980	1986	1989	1990		1980	1986	1989		
<b>Total</b>	<b>2,561</b>	<b>2,494</b>	<b>2,569</b>	<b>2,642</b>	<b>1,556</b>	<b>2,942</b>	<b>4,407</b>	<b>5,274</b>	<b>5,564</b>	<b>3,772</b>
Full-time	2,071	2,050	2,111	2,149	1,370	2,826	4,231	5,043	5,334	3,654
Part-time	489	445	458	493	186	116	175	231	229	117
<b>Full-time equivalent<sup>3</sup></b>	<b>2,166</b>	<b>2,181</b>	<b>2,268</b>	<b>2,295</b>	<b>1,437</b>	<b>(X)</b>	<b>(X)</b>	<b>(X)</b>	<b>(X)</b>	<b>(X)</b>
Education <sup>4</sup>	360	320	341	339	269	539	682	869	889	722
Percent of total	17	15	15	15	19	18	15	16	16	19
Instructional staff	266	233	238	264	212	436	553	687	754	615
Others	94	87	103	74	57	102	130	182	134	107
Highways	121	127	128	133	57	141	223	252	274	133
Public welfare	41	50	55	57	51	47	91	109	118	109
Hospitals	131	124	122	124	80	143	211	259	282	202
Health	35	38	41	42	34	47	73	86	93	80
Police protection	365	391	401	412	226	550	858	1,020	1,093	666
Fire protection	190	194	197	199	115	300	478	551	579	369
Sewerage	60	67	71	74	37	74	122	143	155	85
Solid waste management	104	92	87	86	50	118	163	172	174	118
Parks and recreation	103	112	118	121	72	116	170	197	211	128
Housing and community development	44	46	46	46	39	57	92	100	104	89
Correction	18	25	32	35	33	27	63	85	90	87
Libraries	34	43	45	45	28	38	63	76	80	52
Financial administration	69	71	73	74	35	85	130	153	164	87
Judicial, legal, other governmental administration	112	113	123	129	72	147	230	284	314	189
Local utilities <sup>5</sup>	209	226	227	226	144	306	493	569	594	429
Water supply	93	99	101	101	50	116	182	210	219	123
Electric power	44	50	50	51	28	67	119	136	142	88
Transit	66	70	68	66	62	115	178	208	217	210
All other functions	171	141	160	154	94	208	267	349	350	226

X Not applicable. <sup>1</sup>Data are estimates subject to sampling variation; see source and Appendix III. <sup>2</sup>Based on enumerated resident population as of April 1. <sup>3</sup>Beginning 1986, data not directly comparable with previous years due to a change in how full-time equivalent is calculated. See text, section 9. <sup>4</sup>City-operated schools and colleges only. <sup>5</sup>Includes gas supply, not shown below.

Source: U.S. Bureau of the Census, *City Employment*, series GE, No. 2, annual.

**No. 490. City Government Employment and Payroll—Largest Cities: 1980 and 1990**  
 [For Oct. See text, section 9. See footnote 3, table 476, for those areas representing city/county consolidated governments]

CITIES RANKED BY 1990 POPULATION	TOTAL EMPLOYMENT (1,000)		FULL-TIME EQUIVALENT EMPLOYMENT <sup>1</sup>				OCTOBER PAYROLL (mil.dol.)		AVERAGE EARNINGS IN OCTOBER, FULL-TIME EMPLOYEES (dol.)		
			Total (1,000)		Per 10,000 population <sup>2</sup>						
	1980	1990	1980	1990	1980	1990	1980	1990	1980	1990	
New York, NY <sup>3,4</sup>	364	5,456	319	5,374	451	5,537	504	5,1,092	1,587	5,2,783	
Los Angeles, CA	42	51	41	51	138	150	73	177	1,806	3,488	
Chicago, IL	47	42	45	42	150	139	71	125	1,569	3,002	
Houston, TX	18	20	18	20	111	115	26	40	1,499	2,061	
Philadelphia, PA	33	32	32	32	189	194	51	89	1,611	2,843	
San Diego, CA	8	10	7	10	81	91	12	29	1,773	3,019	
Detroit, MI	22	22	22	21	179	204	40	50	1,852	2,663	
Dallas, TX	14	6,15	14	6,15	153	6,147	20	6,29	1,465	6,1945	
Phoenix, AZ	9	12	9	11	114	123	14	32	1,517	2,876	
San Antonio, TX	10	13	10	13	128	136	13	28	1,282	2,227	
San Jose, CA <sup>3,9</sup>	74	76	74	75	60	66	7	16	7,174	8,3453	
Baltimore, MD <sup>3,9</sup>	44	30	40	29	514	387	47	73	1,172	2,540	
Indianapolis, IN	13	13	12	12	174	202	13	23	1,098	1,910	
San Francisco, CA	21	26	21	26	310	351	37	94	1,761	3,648	
Jacksonville, FL	10	11	10	11	10,202	154	10	11	24	10,031	2,582
Columbus, OH	8	8	7	7	122	131	10	18	1,498	2,416	
Milwaukee, WI	10	89	9	89	145	8,143	15	821	1,631	8,2431	
Memphis, TN <sup>3</sup>	25	22	22	21	342	327	29	48	1,335	2,287	
Washington, DC <sup>3,4</sup>	45	1,150	42	1,148	651	1,1,776	73	11,139	1,761	11,2,930	
Boston, MA <sup>3</sup>	728	1,221	725	1,221	7444	1,2,361	735	12,50	7,1,398	12,2,391	
Seattle, WA	10	11	9	10	188	204	77	32	1,830	3,274	
El Paso, TX	5	5	4	5	104	94	3	9	942	1,973	
Cleveland, OH	10	9	9	8	160	158	13	21	1,460	2,521	
New Orleans, LA	13	14	10	13	13,225	14,181	13	11	14,16	13,919	14,1,623
Nashville-Davidson, TN <sup>3</sup>	15	18	18	17	15,374	352	15	22	15,1,295	2,510	
Denver, CO	13	13	12	12	244	241	18	31	1,540	2,649	
Austin, TX	8	10	7	10	199	206	10	21	1,515	2,186	
Fort Worth, TX	105	5	105	5	10,120	123	10	5	11	10,1,198	
Oklahoma City, OK	5	5	4	4	104	103	6	11	1,323	2,430	
Portland, OR	5	5	4	5	115	107	8	15	1,916	3,305	
Kansas City, MO	7	6	7	6	145	144	9	15	1,368	2,390	
Long Beach, CA	75	7	74	5	7,122	130	7	18	7,1,678	3,413	
Tucson, AZ	4	5	4	5	124	120	6	12	1,474	2,528	
St. Louis, MO	13	18	13	14	280	14,183	15	14,17	1,279	14,2,363	
Charlotte, NC	4	5	4	5	125	130	5	11	1,290	2,399	
Atlanta, GA	8	8	8	8	187	192	10	18	1,230	2,286	
Virginia Beach, VA <sup>3</sup>	10	14	9	13	346	359	11	28	1,204	2,232	
Albuquerque, NM	104	7	104	6	10,119	164	104	12	10,1,135	2,040	
Baton Rouge, LA	134	6	134	5	13,106	142	13	11	13,908	2,235	
Oakland, CA	4	5	4	4	109	115	7	15	2,011	3,948	
Pittsburgh, PA	136	86	136	86	13,135	8,149	136	812	13,1,116	8,2,240	
Sacramento, CA	3	4	3	4	119	115	6	11	1,762	3,021	
Minneapolis, MN	6	18	5	14	136	14,165	9	14,15	1,821	14,2,815	
Tulsa, OK	4	4	4	4	115	115	75	11	1,184	2,555	
Honolulu, HI	9	9	9	9	117	110	12	24	1,401	2,600	
Cincinnati, OH	7	17	7	14	174	14,170	10	14,16	1,527	14,2,634	
Miami, FL	4	6	4	4	118	109	6	15	1,408	3,771	
Fresno, CA	3	3	3	3	115	89	4	8	1,607	2,944	
Omaha, NE	3	3	3	2	92	77	5	8	1,684	3,051	
Toledo, OH	4	3	3	3	96	89	6	9	1,758	2,847	
Buffalo, NY <sup>3</sup>	14	13	13	13	348	397	18	31	1,475	2,596	
Wichita, KS	3	3	3	3	111	890	4	35	1,327	8,2,083	
Santa Ana, CA	2	2	1	2	68	71	2	7	1,819	4,144	
Mesa, AZ	1	2	1	2	89	83	2	7	1,592	2,898	
Colorado Springs, CO	4	6	3	5	158	186	5	13	1,445	2,618	
Tampa, FL <sup>18</sup>	5	4	5	4	165	150	5	10	1,178	1,2,505	
Newark, NJ <sup>18</sup>	12	175	12	175	374	17,156	17	18	1,387	17,1,698	
St. Paul, MN	4	4	3	3	125	130	6	10	1,734	3,265	
Louisville, KY	6	5	6	4	186	152	7	9	1,358	2,180	
Anaheim, CA	2	4	2	3	91	107	3	9	1,616	3,728	
Birmingham, AL	4	4	4	4	128	138	5	8	1,333	2,243	
Arlington, TX	101	2	101	2	10,63	69	101	5	10,1,180	2,538	
Norfolk, VA <sup>3</sup>	11	10	10	10	380	343	12	22	1,222	2,268	

<sup>1</sup> 1990 data not comparable with 1980 due to a change in how full-time equivalent is calculated. See text, section 9. <sup>2</sup> 1980 based on enumerated resident population as of April 1, 1980; 1990 based on 1988 estimated resident population as of July 1. <sup>3</sup> Includes city-operated elementary and secondary schools. <sup>4</sup> Includes city-operated university or college. <sup>5</sup> Fashion Institute of Technology data are for 1989. <sup>6</sup> 1984 data. <sup>7</sup> 1979 data. <sup>8</sup> 1988 data. <sup>9</sup> Prior to 1990, includes data for city operated college. <sup>10</sup> 1978 data. <sup>11</sup> Elementary and secondary school data are for 1989. <sup>12</sup> Noneducation data are for 1986. <sup>13</sup> 1977 data. <sup>14</sup> 1989 data. <sup>15</sup> Noneducation data are for 1979. <sup>16</sup> Prior to 1983, city-operated elementary and secondary schools. <sup>17</sup> 1983 data.

Source: U.S. Bureau of the Census, *City Employment*, series GE, No. 2, annual.

# Federal Government Finances and Employment

This section presents statistics relating to the financial structure and the civilian employment of the Federal Government. The fiscal data cover taxes, other receipts, outlays, and debt. The principal sources of fiscal data are *The Budget of the United States Government* and related documents, published annually by the Office of Management and Budget (OMB), and the Department of the Treasury's *United States Government Annual Report* and its Appendix. Detailed data on tax returns and collections are published annually by the Internal Revenue Service. Personnel data relating to staffing and payrolls for the various public functions and agencies, to employee characteristics, and to civil service status; are published by the Office of Personnel Management and the Bureau of Labor Statistics (see p. 314). The primary source for data on public lands is *Public Land Statistics*, published annually by the Bureau of Land Management, Department of the Interior. Data on federally owned land and real property are collected by the General Services Administration and presented in its annual *Inventory Report on Real Property Owned by the United States Throughout the World*.

**Budget concept.**—Under the unified budget concept, all Federal monies are included in one comprehensive budget. These monies comprise both Federal funds and trust funds. Federal funds are derived mainly from taxes and borrowing and are not restricted by law to any specific government purpose. Trust funds, such as the Unemployment Trust Fund, collect certain taxes and other receipts for use in carrying out specific purposes or programs in accordance with the terms of the trust agreement or statute. Fund balances include both cash balances with Treasury and investments in U.S. securities. Part of the balance is obligated, part unobligated. Prior to 1985, the budget totals, under provisions of law, excluded some Federal activities—including the Federal Financing Bank, the Postal Service, the Synthetic Fuels Corporation, and the lending activities of

## In Brief

	1992
Gross Federal debt	\$4 tril.
Net interest outlays	\$199 bil.

the Rural Electrification Administration. The Balanced Budget and Emergency Deficit Control Act of 1985 (P.L.99-177) repealed the off-budget status of these entities and placed social security (Federal old-age and survivors insurance and the Federal disability insurance trust funds) off-budget. Though social security is now off-budget and, by law, excluded from coverage of the congressional budget resolutions, it continues to be a Federal program.

Receipts arising from the Government's sovereign powers are reported as governmental receipts; all other receipts, i.e., from business-type or market-oriented activities, are offset against outlays. Outlays are reported on a checks-issued (net) basis (i.e., outlays are recorded at the time the checks to pay bills are issued).

**Debt concept.**—For most of U.S. history, the total debt consisted of debt borrowed by the Treasury (i.e., public debt). The present debt series includes both public debt and agency debt. The *gross Federal debt* includes money borrowed by the Treasury and by various Federal agencies; it is the broadest generally used measure of the Federal debt. *Total public debt* is covered by a statutory debt limitation and includes only borrowing by the Treasury.

**Treasury receipts and outlays.**—All receipts of the Government, with a few exceptions, are deposited to the credit of the U.S. Treasury regardless of ultimate disposition. Under the Constitution, no money may be withdrawn from the Treasury unless appropriated by the Congress.

The day-to-day cash operations of the Federal Government clearing through the accounts of the U.S. Treasury are reported in the *Daily Treasury Statement*. Extensive detail on the public debt is published in the *Monthly Statement of the Public Debt of the United States*.

Budget receipts such as taxes, customs duties, and outlays represented by checks issued and cash payments made by disbursing officers as well as government agencies are reported in the *Daily Treasury Statement of Receipts and Outlays of the United States Government* and in the Treasury's *United States Government Annual Report* and its *Appendix*. These deposits in and payments from accounts maintained by Government agencies are on the same basis as the unified budget.

The quarterly *Treasury Bulletin* contains data on fiscal operations and related Treasury activities, including financial statements of Government corporations and other business-type activities.

**Income tax returns and tax collections.**—Tax data are compiled by the Internal Revenue Service of the Treasury Department. The *Annual Report of the Commissioner and Chief Counsel of the Internal Revenue Service* gives a detailed account of tax collections by kind of tax and by regions, districts, and States. The agency's annual *Statistics of Income* reports present detailed data from individual income tax returns and corporation income tax returns. The quarterly *Statistics of Income Bulletin* has, in general, replaced the supplemental *Statistics of Income* publications which presented data on such diverse subjects as tax-exempt organizations, unincorporated businesses, fiduciary income tax and estate tax returns, sales of capital assets by individuals, international income and taxes reported by corporations and individuals, and estate tax wealth.

**Employment and payrolls.**—The Office of Personnel Management collects employment and payroll data from all departments and agencies of the Federal Government, except the Central Intelligence Agency, the National Security Agency, and the Defense Intelligence Agency. Employment figures represent the number of persons who occupied

civilian positions at the end of the report month shown and who are paid for personal services rendered for the Federal Government, regardless of the nature of appointment or method of payment.

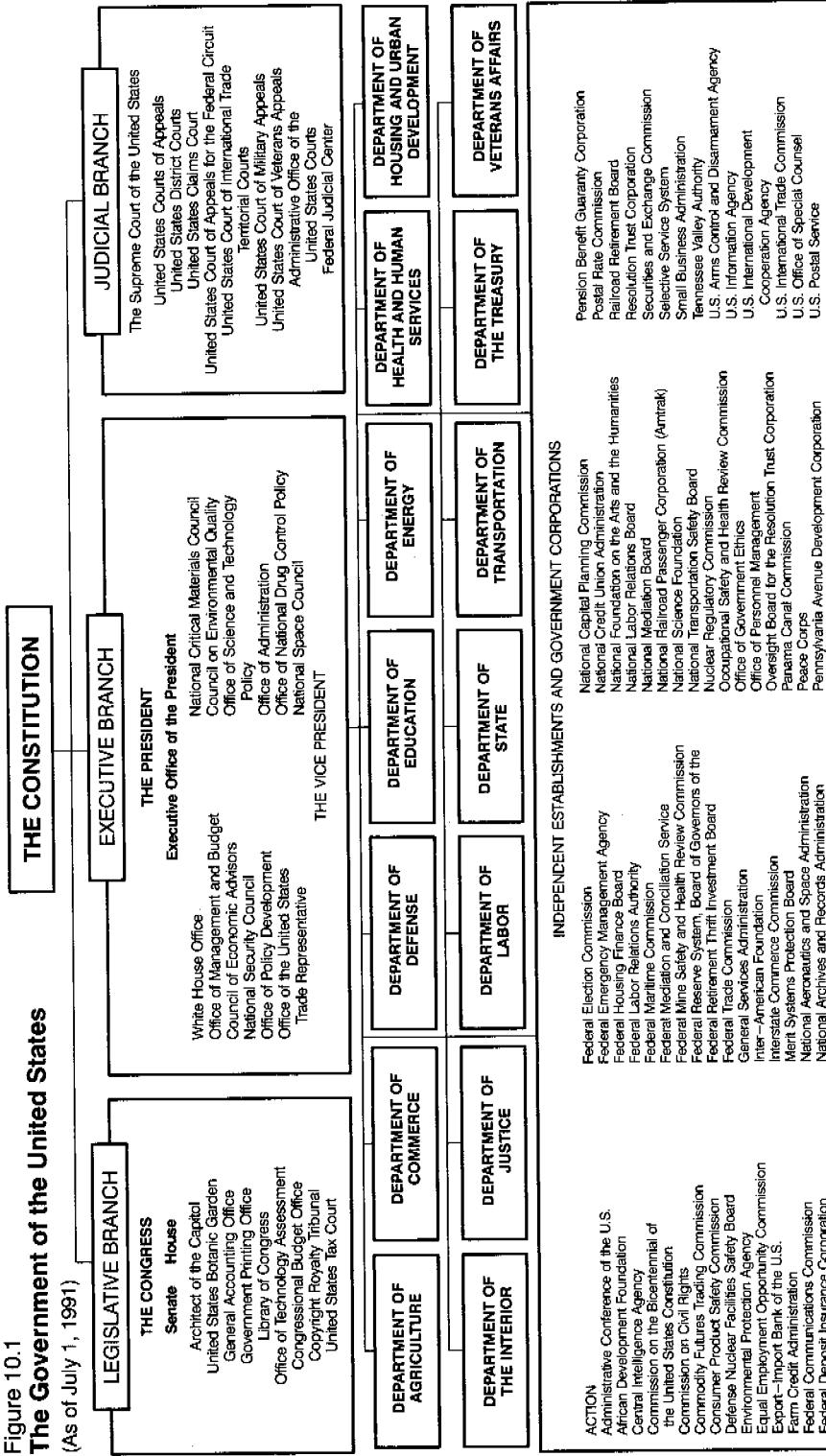
Federal payrolls include all payments for personal services rendered during the report month and payments for accumulated annual leave of employees who separate from the service. Since most Federal employees are paid on a bi-weekly basis, the calendar month earnings are partially estimated on the basis of the number of work days in each month where payroll periods overlap.

Federal employment and payroll figures are published by the Office of Personnel Management in its *Federal Civilian Workforce Statistics—Employment and Trends*. It also publishes biennial employment data for minority groups, data on occupations of white- and blue-collar workers, and data on employment by geographic area; reports on salary and wage distribution of Federal employees are published annually. General schedule is primarily white-collar; wage system primarily blue-collar. Data on Federal employment are also issued by the Bureau of Labor Statistics in its *Monthly Labor Review* and in *Employment and Earnings* and by the Bureau of the Census in its annual *Public Employment*.

**Public lands.**—These data refer to transactions which involve the disposal, under public land laws, of Federal public lands to non-Federal owners. In general, original entries and selections are applications to secure title to public lands which have been accepted as properly filed (i.e., allowed). Some types of applications, however, are not reported until issuance of the final certificate, which passes equitable title to the land to the applicant. Applications are approved when full compliance with the requirements of the laws is shown and become final entries (perfected entries) upon issuance of a final certificate. Patents are Government deeds which pass legal title to the land to the applicant. Certifications are issued in lieu of patents in connection with certain State selections.

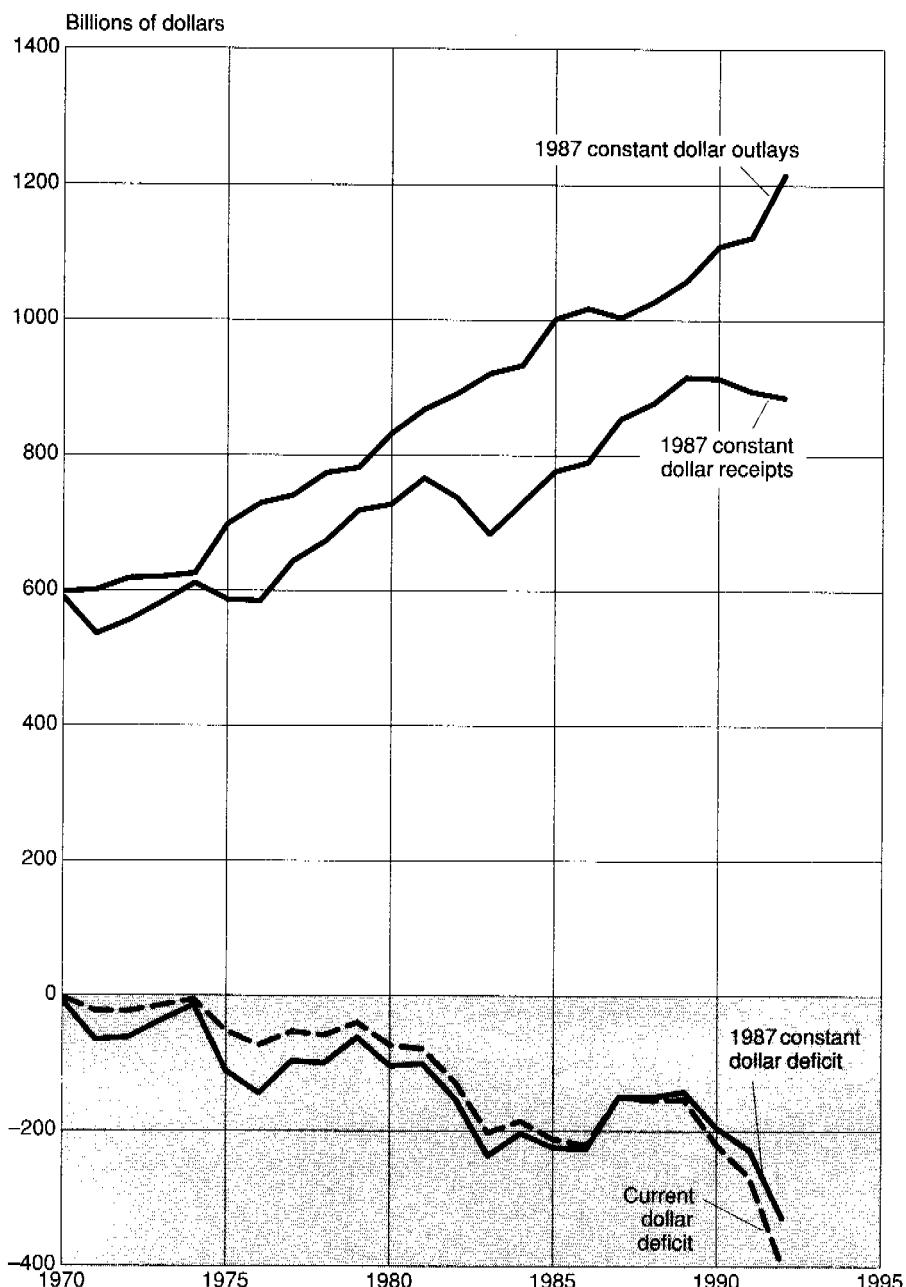
**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

**Figure 10.1  
The Government of the United States  
(As of July 1, 1991)**



Source: Chart prepared by U.S. Bureau of the Census.

Figure 10.2  
**Federal Budget—Receipts, Outlays and Surplus or Deficit: 1970 to 1992**



Note: Data for 1992 is projected.

Source: Chart prepared by U.S. Bureau of the Census. For data, see tables 491, 494 and 496.

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# Federal Budget Summary

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## No. 491. Federal Budget—Summary: 1945 to 1992

[In millions of dollars, except percent. For fiscal years ending in year shown: see text, section 9. The Balanced Budget and Emergency Deficit Control Act of 1985 put all the previously off-budget Federal entities into the budget and moved Social Security off-budget. Minus sign (-) indicates deficit or decrease.]

YEAR	Receipts	OUTLAYS <sup>1</sup>			Surplus or deficit (-)	Percent of GNP <sup>2</sup>	GROSS FEDERAL DEBT <sup>3</sup>			ANNUAL PERCENT CHANGE <sup>4</sup>		
		HUMAN RESOURCES		NATIONAL DEFENSE			FEDERAL GOVT ACCOUNT	THE PUBLIC	FEDERAL RESERVE SYSTEM	AS PERCENT OF GNP <sup>2</sup>	RECEIPTS	OUTLAYS
		TOTAL	HUMAN RESOURCES	NATIONAL DEFENSE								GROSS FEDERAL DEBT
1945	45,159	92,712	1,853	82,985	43.6	-48,720	260,123	24,941	255,182	122.5	3.2	1.5
1950	39,443	82,562	14,221	75,241	16.0	-47,702	256,833	37,880	218,023	98,3	0.1	0.5
1955	65,451	68,444	14,908	42,729	17.7	-4,091	274,386	47,755	226,616	71.0	-6.0	-3.4
1960	92,432	82,191	28,184	48,150	18.2	-510	290,525	53,688	265,523	67.3	-1.1	1.3
1965	116,817	118,228	36,776	50,620	17.6	-1,605	322,318	61,540	260,778	39,100	47.9	-0.3
1970	130,835	134,532	43,257	51,272	18.2	-3,068	328,489	64,784	253,714	42,169	12.0	1.9
1975	148,822	177,464	51,272	71,417	19.8	-12,620	340,445	73,819	268,626	46,719	13.7	1.0
1980	152,973	178,134	59,375	81,296	21.0	-27,742	368,695	79,140	289,545	52,285	43.4	2.8
1985	186,882	183,640	86,110	82,497	19.8	-8,507	386,798	87,661	278,198	54,085	39.4	-0.1
1990	192,807	195,649	75,149	81,632	19.8	-6,894	380,927	97,723	283,987	57,714	32.2	6.5
1995	187,139	210,172	91,901	78,872	19.9	-20,423	408,176	105,740	303,037	65,518	38.7	7.4
1997	207,308	230,681	107,211	79,174	20.0	-23,382	435,936	113,559	322,377	71,426	37.8	10.8
1998	230,759	245,707	118,922	76,681	19.2	-15,403	466,291	125,381	340,910	75,181	44.5	6.8
1999	263,224	289,359	138,783	79,347	19.0	-17,971	483,893	140,194	342,688	80,648	36.4	7.0
2000	279,090	322,332	172,345	86,509	21.8	-55,260	514,925	147,225	354,700	84,983	34.2	3.8
2001	299,050	311,773	203,594	88,619	21.6	-70,498	520,620	147,404	347,914	97,444	35.6	6.8
2002	311,232	355,973	52,965	22,299	21.4	-13,336	533,951	148,052	495,509	96,702	35.9	0.0
2003	355,559	409,203	221,985	97,245	21.2	-49,745	706,398	157,241	549,103	105,004	38.5	19.3
2004	389,561	438,729	104,495	242,329	21.1	-54,902	766,602	169,477	607,490	115,480	35.8	12.4
2005	463,322	503,464	267,152	116,342	20.6	-38,178	808,923	172,688	738,761	115,534	33.9	16.0
2006	517,112	500,920	313,574	133,995	22.1	-72,689	808,923	199,212	738,761	120,846	34.0	1.6
2007	599,272	678,249	362,022	157,513	22.7	-73,916	992,298	207,507	784,791	124,466	33.3	1.4
2008	617,766	745,755	388,981	185,309	23.8	-120,003	1,136,758	217,560	919,238	134,487	36.2	3.1
2009	600,562	826,389	425,003	209,903	24.3	-207,977	1,371,164	240,114	1,131,049	156,527	41.3	10.0
2010	686,457	851,846	432,042	227,413	23.0	-185,586	1,584,110	294,159	1,289,955	155,122	42.4	11.0
2011	734,057	946,391	471,322	252,748	23.8	-221,623	1,616,974	317,612	1,193,362	168,806	46.0	10.1
2012	769,091	900,396	481,594	273,375	23.5	-237,898	2,120,082	383,919	1,735,163	190,855	50.7	4.8
2013	854,143	1,003,911	502,961	281,959	22.5	-168,257	2,346,578	457,444	1,888,134	212,040	53.0	11.1
2014	908,954	1,004,140	533,404	290,361	22.1	-192,897	2,600,750	550,507	2,050,252	54.4	6.4	1.4
2015	990,691	1,144,169	568,169	303,559	22.1	-206,132	2,867,538	677,214	2,150,324	55.9	9.0	7.5
2016	1,031,308	1,251,778	619,327	289,331	22.9	-220,470	3,206,347	795,906	2,410,441	58.7	4.1	9.4
2017	1,054,264	1,323,011	680,891	273,282	23.5	-268,745	3,589,983	911,571	2,671,242	258,581	64.0	2.2
2018	1,075,706	1,415,439	776,900	307,304	25.2	-389,733	4,077,510	1,000,221	3,077,283	(NA)	69.5	2.0

NA. Not available. X. Not applicable. <sup>1</sup> Includes off-budget receipts, outlays, and interfund transactions. <sup>2</sup> Gross national product as of fiscal year; for calendar year, see table 701. <sup>3</sup> See text, section 10 for discussion of debt concept. <sup>4</sup> Change from previous year. For explanation of average annual percent change, see Guide to Tabular Presentation.

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

July-Sept.

Represents transition quarter.

3 See

**No. 492. Federal Receipts, by Source: 1980 to 1992**

[In millions of dollars. For fiscal years ending in year shown; see text, section 9. Receipts reflect collections. Covers both Federal funds and trust funds (see text, section 10). Excludes government-sponsored but privately-owned corporations, Federal Reserve System, District of Columbia government, and money held in suspense as deposit funds. See *Historical Statistics, Colonial Times to 1970*, series Y 343-351, and Y 472-487 for related data.]

SOURCE	1980	1985	1989	1990	1991	1992, est.	PERCENT DISTRIBUTION	
							1980	1982, est.
<b>Total receipts<sup>1</sup></b>	<b>517,112</b>	<b>734,057</b>	<b>990,891</b>	<b>1,031,308</b>	<b>1,054,264</b>	<b>1,075,706</b>	<b>100.0</b>	<b>100.0</b>
Individual income taxes	244,069	334,531	445,690	466,884	467,827	478,749	47.2	44.5
Corporation income taxes	64,600	61,331	103,291	93,507	98,086	89,031	12.5	8.3
Social insurance	157,803	265,163	359,416	380,047	396,016	410,863	30.5	38.2
Employment taxes and contributions	138,748	234,646	332,859	353,891	370,526	383,663	26.8	35.7
Old-age and survivors insurance	96,581	169,822	240,595	255,031	265,503	271,784	18.7	25.3
Disability insurance	16,628	16,348	23,071	26,625	28,382	29,138	3.2	2.7
Hospital insurance	23,217	44,871	65,396	68,556	72,842	79,007	4.5	7.3
Railroad retirement/pension fund	2,323	2,213	2,391	2,292	2,371	2,329	0.4	0.2
Railroad social security equivalent account	-	1,391	1,407	1,387	1,428	1,405	-	0.1
Unemployment insurance	15,336	25,758	22,011	21,635	20,922	22,547	3.0	2.1
Other retirement contributions	3,719	4,759	4,546	4,522	4,568	4,653	0.7	0.4
Excise taxes	24,329	35,982	34,386	35,345	42,402	46,098	4.7	4.3
Federal funds	15,563	19,097	13,147	15,591	18,275	21,170	3.0	2.0
Alcohol	5,601	5,562	5,661	5,695	7,364	8,219	1.1	0.8
Tobacco	2,443	4,779	4,378	4,081	4,706	4,897	0.5	0.5
Windfall profits	6,934	6,348	-	-	-	-	1.3	-
Ozone depletion	-	-	-	360	562	662	0.1	-
Other taxes	585	261	317	2,460	2,549	4,343	0.1	0.4
Trust funds	8,766	16,894	21,239	19,754	24,127	24,928	1.7	2.3
Highways	6,620	13,015	15,628	13,867	16,979	17,387	1.3	1.6
Airport and airway	1,874	2,851	3,664	3,700	4,910	5,193	0.4	0.5
Black lung disability	272	581	563	665	652	627	0.1	0.1
Hazardous substance response	-	273	883	818	810	825	-	0.1
Aquatic resources	-	126	187	218	260	278	-	-
Leaking underground storage	-	-	168	122	123	145	-	-
Vaccine injury compensations	-	-	99	159	81	120	-	-
Oil spill liability	-	-	-	143	254	283	-	-
Estate and gift taxes	6,389	6,422	8,745	11,500	11,138	12,063	1.2	1.1
Customs duties	7,174	12,079	16,334	16,707	15,949	17,260	1.4	1.6
Federal Reserve deposits	11,767	17,059	19,604	24,319	19,158	18,507	2.3	1.7

- Represents or rounds to zero. <sup>1</sup> Totals reflect interfund and intragovernmental transactions and/or other functions, not shown separately.

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

**No. 493. Federal Trust Fund Receipts, Outlays, and Balances: 1989 to 1992**

[In billions of dollars. For fiscal ending in year shown; see text section 9. Receipts deposited. Outlays on a checks-issued basis, less refunds collected. Balances: That which have not been spent. See text, section 10 for discussion of the budget concept and trust funds]

DESCRIPTION	INCOME			OUTLAYS			BALANCES <sup>1</sup>		
	1989	1991	1992, est.	1989	1991	1992, est.	1989	1991	1992, est.
<b>Total<sup>2</sup></b>	<b>509.8</b>	<b>631.1</b>	<b>658.9</b>	<b>386.3</b>	<b>518.8</b>	<b>560.3</b>	<b>690.9</b>	<b>896.8</b>	<b>995.3</b>
Airport and airway trust fund	4.7	6.2	6.5	2.9	5.3	5.8	22.5	15.3	16.0
Federal employees retirement funds	49.6	57.2	60.1	29.6	33.7	34.5	243.2	269.0	294.7
Federal old-age, survivors and disability insurance trust funds	(NA)	325.9	336.9	(NA)	272.4	286.7	(NA)	268.4	318.6
Foreign military sales trust fund	8.2	12.5	11.4	8.4	11.5	11.3	4.7	6.8	6.9
Health insurance trust funds	118.9	133.2	146.3	96.6	117.7	131.8	94.7	125.6	140.0
Highway trust funds	16.9	18.5	19.0	14.5	15.7	17.4	16.7	20.7	22.2
Military retirement trust funds	34.0	36.0	36.5	20.2	23.1	24.3	65.2	90.5	102.7
Railroad retirement trust funds	10.1	11.3	11.2	9.4	10.1	10.5	8.6	10.4	11.2
Unemployment trust funds	25.5	25.5	26.3	18.7	28.4	35.7	45.1	47.8	38.4
Veterans life insurance trust funds	1.4	1.5	1.5	1.1	1.2	1.3	12.1	12.7	12.9
Other trust funds <sup>3</sup>	5.0	6.8	6.5	1.9	3.1	4.5	21.4	29.6	31.6

NA Not available. <sup>1</sup> Balances available on a cash basis (rather than an authorization basis) at the end of the year. Balances are primarily invested in Federal debt securities. <sup>2</sup> Includes funds not shown separately. <sup>3</sup> Outlays include the Federal Deposit Insurance Corporation (FDIC) through August 8, 1989. Effective August 9, 1989, the permanent insurance fund of the FDIC was classified under law as a Federal fund.

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

**No. 494. Federal Budget Outlays—Defense, Human and Physical Resources, and Net Interest Payments: 1940 to 1992**

[In millions of dollars]

VA Not available.

2 Inclines Outlays not shown separately

3 Transition quarter July 10 September

Source: U. S. Office of Management and Budget, *Budget of the United States Government*, annual.

**No. 495. Federal Outlays, by Detailed Function: 1980 to 1992**

[In millions of dollars. For fiscal years ending in year shown; outlays stated in terms of checks issued or cash payments.  
See headnote, table 492.]

FUNCTION	1980	1985	1989	1990	1991	1992, est.	PERCENT DISTRIBUTION	
							1980	1992, est.
<b>Total outlays</b>	<b>590,920</b>	<b>946,316</b>	<b>1,144,069</b>	<b>1,251,778</b>	<b>1,323,011</b>	<b>1,475,439</b>	<b>100.00</b>	<b>100.00</b>
On-budget	476,591	769,509	933,258	1,026,713	1,081,324	1,223,909	80.65	82.95
Off-budget	114,329	176,807	210,911	225,065	241,687	251,530	19.35	17.05
National defense	133,995	252,748	303,559	299,331	273,292	307,304	22.68	20.83
Dept. of Defense—Military	130,912	245,154	294,880	288,755	262,389	294,039	22.15	19.93
Military personnel	40,897	67,842	80,676	75,622	83,439	79,289	6.92	5.37
Operation and maintenance	44,788	72,371	87,001	88,340	101,769	97,828	7.58	6.63
Procurement	29,021	70,381	81,620	80,972	82,028	73,952	4.91	5.01
R and D, test, and evaluation	13,127	27,103	37,002	37,458	34,589	36,145	2.22	2.45
Military construction	2,450	4,260	5,275	5,080	3,497	4,541	0.41	0.31
Family housing	1,680	2,642	3,257	3,501	3,296	3,404	0.28	0.23
Other	-1,050	553	50	-1,218	-46,229	521	-0.18	-0.04
Atomic energy defense activities	2,878	7,098	8,119	8,988	10,004	11,685	0.49	0.79
Defense related activities	206	495	560	587	899	980	0.03	0.07
International affairs	12,714	16,176	9,573	13,764	15,851	17,811	2.15	1.21
International development and humanitarian assistance	3,626	5,409	4,836	5,498	5,141	6,154	0.61	0.42
Conduct of foreign affairs	1,366	2,043	2,886	3,050	3,282	3,560	0.23	0.24
Foreign information and exchange activities	534	805	1,106	1,103	1,253	1,343	0.09	0.09
International financial programs activities	2,425	-1,471	-722	-4,539	-3,648	-1,029	-	-0
International security assistance	4,763	9,391	1,467	8,652	9,823	7,783	0.81	0.53
Income security	86,540	128,200	136,031	147,277	170,846	198,093	14.64	13.43
General retirement and disability insurance	5,083	5,617	5,650	5,148	4,945	5,538	0.86	0.38
Federal employee retirement and disability	26,594	38,591	49,151	51,981	56,106	57,718	4.50	3.91
Housing assistance	5,632	25,263	14,715	15,891	17,200	19,438	0.95	1.32
Food and nutrition assistance	14,016	18,540	21,192	23,964	28,481	33,561	2.37	2.27
Other income security	17,163	22,715	29,706	31,404	37,030	45,145	2.90	3.06
Unemployment compensation	18,051	17,475	15,616	18,889	27,084	36,693	3.05	2.49
Health	23,169	33,542	48,390	57,716	71,183	94,593	3.92	6.41
Health care services	18,003	26,984	39,164	47,642	60,723	82,810	3.05	5.61
Health research	3,442	4,906	7,325	8,611	8,899	10,058	0.58	0.68
Consumer and occupational health and safety	1,006	1,182	1,356	1,462	1,560	1,724	0.17	0.12
Medicare	32,090	65,822	84,964	98,102	104,489	118,638	5.43	8.04
Social Security	118,547	188,623	232,542	248,623	269,015	286,732	20.06	19.43
On-budget	675	5,189	5,069	3,625	2,619	6,078	0.11	0.41
Off-budget	117,872	183,434	227,473	244,998	266,395	280,654	19.95	0.00
Veterans benefits and services	21,185	26,292	30,066	29,112	31,349	33,819	3.59	2.29
Income security for veterans	11,688	14,714	16,544	15,241	16,961	17,193	1.98	1.17
Educ., training, and rehab.	2,342	1,059	459	278	427	696	0.40	0.05
Hospital and medical care	6,515	9,547	11,343	12,134	12,889	13,727	1.10	0.93
Housing for veterans	(Z)	214	878	517	85	1,153	0.00	0.08
Other	665	758	843	943	987	1,050	0.11	0.07
Education, training, employment, and social services	31,843	29,342	36,674	38,497	42,809	45,025	5.39	3.05
Elementary, secondary, and vocational education	6,893	7,598	9,150	9,918	11,372	13,052	1.17	0.88
Higher education	6,723	8,156	10,584	11,107	11,961	11,140	1.14	0.76
Research and general educ. aids	1,212	1,229	1,509	1,577	1,773	1,966	0.21	0.13
Training and employment	10,345	4,972	5,292	5,361	5,388	5,792	1.75	0.39
Other labor services	551	678	786	810	788	871	0.09	0.06
Social services	6,119	6,710	9,354	9,723	11,526	12,204	1.04	0.83

See footnotes at end of table.

## No. 495. Federal Outlays, by Detailed Function: 1980 to 1992—Continued

[In millions of dollars. See headnote, table 492]

SOURCE OR FUNCTION	1980	1985	1989	1990	1991	1992, est.	PERCENT DISTRIBUTION	
							1980	1992, est.
Commerce and housing credit . . . . .	9,390	4,229	29,211	67,142	75,639	87,149	1.59	5.91
Mortgage credit . . . . .	5,887	3,054	4,978	3,845	5,362	3,201	1.00	0.22
Postal Service . . . . .	1,246	1,351	127	2,116	1,828	1,335	0.21	0.09
Deposit insurance . . . . .	-285	-2,198	21,996	58,081	66,394	80,185	-0.05	5.43
Other commerce . . . . .	2,542	2,022	2,109	3,100	2,054	2,427	0.43	0.16
Transportation . . . . .	21,329	25,838	27,608	29,485	31,099	34,031	3.61	2.31
Ground transportation . . . . .	15,274	17,606	17,946	18,954	19,545	21,086	2.58	1.43
Air transportation . . . . .	3,723	4,895	6,622	7,234	8,184	9,042	0.63	0.61
Water transportation . . . . .	2,229	3,201	2,916	3,151	3,148	3,633	0.38	0.25
Other transportation . . . . .	104	137	124	146	223	270	0.02	0.02
Natural resources and environment . . . . .	13,858	13,857	16,182	17,067	18,552	20,231	2.35	1.37
Water resources . . . . .	4,223	4,122	4,271	4,401	4,366	4,729	0.71	0.32
Conservation and land management . . . . .	1,043	1,481	3,324	3,553	4,047	4,374	0.18	0.30
Recreational resources . . . . .	1,677	1,621	1,817	1,876	2,137	2,474	0.28	0.17
Pollution control and abatement . . . . .	5,510	4,465	4,878	5,156	5,853	6,131	0.93	0.42
Other natural resources . . . . .	1,405	1,668	1,890	2,080	2,148	2,522	0.24	0.17
Energy . . . . .	10,156	5,685	3,702	2,428	1,662	4,026	1.72	0.27
Supply . . . . .	8,367	2,615	2,226	1,062	1,170	3,000	1.42	0.20
Conservation . . . . .	569	491	333	365	386	463	0.10	0.03
Emergency preparedness . . . . .	342	1,838	621	442	-235	336	0.06	0.02
Information, policy, and regs . . . . .	878	740	521	559	340	226	0.15	0.02
Community/regional develop . . . . .	11,252	7,680	5,362	8,498	6,811	7,533	1.90	0.51
Community development . . . . .	4,907	4,598	3,693	3,530	3,543	3,911	0.83	0.27
Area and regional development . . . . .	4,303	3,117	1,894	2,868	2,743	3,144	0.73	0.21
Disaster relief and insurance . . . . .	2,043	(Z)	-226	2,100	525	478	0.35	0.03
Agriculture . . . . .	8,839	25,565	16,919	11,958	15,183	17,219	1.50	1.17
Farm income stabilization . . . . .	7,441	23,751	14,817	9,761	12,924	14,670	1.26	0.99
Research and services . . . . .	1,398	1,813	2,102	2,197	2,259	2,550	0.24	0.17
Net interest . . . . .	52,538	129,504	169,266	184,221	194,541	198,820	8.89	13.48
On-budget . . . . .	54,877	133,622	180,661	200,212	214,763	222,673	9.29	15.09
Off-budget . . . . .	-2,339	-4,118	-11,395	-15,991	-20,222	-23,853	0.39	-1.62
Interest on the public debt . . . . .	74,808	178,898	240,963	264,820	286,004	292,992	12.68	19.86
Other interest . . . . .	-10,224	-23,438	-19,755	-18,191	-20,266	-16,948	-1.73	-1.15
General science, space, and technology . . . . .	5,832	8,627	12,838	14,444	16,111	16,373	0.99	1.11
Gen. science and basic research . . . . .	1,381	2,019	2,642	2,835	3,154	3,612	0.23	0.24
General government . . . . .	13,028	11,588	9,017	10,734	11,661	12,838	2.20	0.87
Legislative functions . . . . .	1,098	1,355	1,652	1,763	1,916	2,230	0.18	0.15
Exec. direction and manag't . . . . .	97	113	129	160	190	197	0.02	0.01
Central fiscal operations . . . . .	2,612	3,492	5,517	6,004	6,097	6,790	0.44	0.46
General property and records management . . . . .	327	96	-396	31	657	704	0.06	0.05
General purpose fiscal assistance . . . . .	8,582	6,353	2,061	2,161	2,100	2,158	1.45	0.15
Other general government . . . . .	569	521	814	800	1,280	1,505	0.10	0.10
Deductions, offsetting receipts . . . . .	-351	-506	-893	-361	-718	-914	-0.06	-0.06
Administration of justice . . . . .	4,584	6,270	9,474	9,995	12,276	14,061	0.78	0.95
Federal law enforcement . . . . .	2,239	3,520	4,719	4,648	5,661	6,422	0.38	0.44
Federal litigative and judicial . . . . .	1,347	2,064	3,255	3,579	4,352	5,029	0.23	0.34
Federal correctional activities . . . . .	342	537	1,044	1,291	1,600	1,901	0.06	0.13
Criminal justice assistance . . . . .	656	150	455	477	663	709	0.11	0.05
Undistributed offsetting receipts . . . . .	-19,942	-32,698	-37,212	-36,615	-39,356	-38,761	-3.37	-2.63
On-budget . . . . .	18,738	-30,189	-32,354	31,048	-33,553	-32,665	-3.17	-2.21
Off-budget . . . . .	-1,204	2,509	-4,858	-5,567	5,804	-6,096	-0.20	-0.41
Employer share, employee retirement . . . . .	-15,842	-27,157	-34,263	-33,611	-36,206	36,478	-2.68	-2.47
Rents and royalties . . . . .	4,101	-5,542	-2,929	-3,004	-3,150	-2,282	-0.69	-0.15

\* Represents zero. Z Less than \$500,000. ^ On Outer Continental Shelf.

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

**No. 496. Federal Budget Outlays in Constant (1987) Dollars: 1940 to 1992**

[Dollar amounts in billions of dollars. For fiscal years ending in year shown; see text, section 9. Given the inherent imprecision in deflating outlays, the in constant dollars present a reasonable perspective—not precision. The deflators and the categories that are deflated are as comparable over time as feasible. See headnote, table 451. Minus sign (-) indicates decrease.]

OUTLAYS	1940	1950	1960	1970	1980	1985	1986	1987	1988	1989	1990	1991	1992, est.
<b>Outlays, total . . . . .</b>	<b>95.8</b>	<b>250.1</b>	<b>389.5</b>	<b>597.8</b>	<b>832.1</b>	<b>1,001.3</b>	<b>1,017.3</b>	<b>1,003.9</b>	<b>1,027.1</b>	<b>1,057.9</b>	<b>1,109.4</b>	<b>1,122.9</b>	<b>1,214.7</b>
National defense . . . . .	18.1	94.6	217.9	264.4	187.1	261.2	276.4	282.0	283.3	285.3	271.1	238.5	258.8
Nondefense outlays . . . . .	77.8	155.5	171.7	333.6	645.0	740.1	354.9	467.5	721.9	743.8	658.3	684.3	555.8
Payments for individuals . . . . .	14.0	63.0	87.8	185.8	159.0	405.6	405.6	411.4	471.3	480.0	510.6	542.6	593.1
Direct payments . . . . .	11.5	57.3	2.5	5.8	24.7	46.3	81.2	59.8	57.8	420.0	429.8	443.2	461.6
Grants to State and local gov'ts . . . . .	6.7	20.1	48.7	26.6	41.6	74.4	137.3	140.1	138.7	50.8	61.7	67.4	90.1
Other grants . . . . .	8.2	24.2	26.6	60.4	87.0	122.9	118.7	107.6	97.9	146.5	163.5	52.0	53.8
Net interest . . . . .	53.0	74.2	60.4	-12.5	-29.0	-28.5	-34.3	-34.0	-36.5	102.4	109.4	144.5	164.7
All other . . . . .	-3.7	-23.1	-12.5	-12.5	-29.0	-28.5	-34.3	-34.0	-36.5	-34.3	-34.3	-32.4	173.1
Undistributed offsetting receipts . . . . .												-33.2	-31.7
<b>PERCENT OF GDP</b>													
Outlays, total . . . . .	9.9	16.0	18.2	19.9	22.3	23.8	23.5	22.5	22.1	22.1	22.9	23.5	25.2
National defense . . . . .	1.7	5.2	9.5	8.3	5.1	6.4	6.5	6.3	6.0	5.9	5.5	4.9	5.2
Nondefense outlays . . . . .	8.2	10.9	8.7	11.6	17.3	17.5	17.0	16.2	16.1	16.3	17.4	18.7	19.9
Payments for individuals . . . . .	1.7	5.1	4.8	6.6	10.5	10.8	10.7	10.6	10.4	10.4	10.7	11.6	12.5
Direct payments . . . . .	1.4	4.7	4.3	5.7	9.3	9.3	9.5	9.3	9.1	9.1	9.3	10.0	10.5
Grants to State and local gov'ts . . . . .	0.5	0.5	0.9	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.6	2.0
Other grants . . . . .	0.6	0.4	0.9	1.6	2.2	1.4	1.4	1.4	1.1	1.1	1.1	1.1	1.1
Net interest . . . . .	0.9	1.8	1.4	1.5	2.0	3.3	3.2	3.1	3.2	3.3	3.4	3.5	3.4
All other . . . . .	5.0	4.2	2.6	2.9	3.3	2.8	2.5	2.2	2.2	2.3	3.0	3.2	3.6
Undistributed offsetting receipts . . . . .	-0.3	-0.7	-1.0	-0.9	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.7	-0.7	-0.7
<b>PERCENT OF OUTLAYS</b>													
Outlays, total . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
National defense . . . . .	17.5	32.2	52.2	41.8	22.7	26.7	27.6	28.1	27.3	26.5	23.9	20.7	20.8
Nondefense outlays . . . . .	82.5	67.8	47.8	58.2	77.3	73.3	72.4	71.9	72.7	73.5	76.1	79.3	79.2
Payments for individuals . . . . .	17.5	32.1	26.2	33.1	47.1	45.2	45.6	46.9	47.0	46.8	46.7	49.2	49.5
Direct payments . . . . .	14.4	29.2	23.5	28.7	41.6	39.9	40.1	41.2	41.2	40.5	40.5	42.4	41.8
Grants to State and local gov'ts . . . . .	3.1	2.7	4.5	5.5	5.2	5.5	5.5	5.8	5.9	5.9	6.2	6.8	7.8
Other grants . . . . .	6.1	2.3	4.9	7.5	9.9	6.0	5.9	5.0	4.8	4.8	4.6	4.7	4.6
Net interest . . . . .	9.5	11.3	14.4	14.4	14.7	13.7	13.7	13.8	14.3	14.8	14.7	13.5	13.5
All other . . . . .	52.8	26.3	-4.3	-4.4	-4.4	-3.4	-3.4	-3.4	-3.4	-3.4	-3.4	-3.0	-2.6
Undistributed offsetting receipts . . . . .	-3.4	-3.4	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	-3.0	-2.6

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

**No. 497. Revenue Losses—Estimates for Selected “Tax Expenditures,” by Function:  
1989 to 1993**

[In millions of dollars. For years ending, Sept. 30, except as noted. Tax expenditures are defined as *revenue losses attributable to provisions of the Federal tax laws which allow a special exclusion, exemption, or deduction from gross income or which provide a special credit, a preferential rate of tax, or a deferral of liability*. Represents tax expenditures of \$1 billion or more in 1993.]

DESCRIPTION	1989	1990	1991	1992	1993, est.
National defense:					
Exclusion of benefits and allowances to Armed Forces personnel	1,900	1,965	2,345	2,400	2,460
International affairs:					
Exclusion of income earned abroad by United States citizens . . .	1,155	1,205	2,480	2,630	2,810
Inventory property sales source rules exception . . . . .	2,000	2,200	4,230	4,440	4,660
Natural resources and environment:					
Exclusion of interest on state and local IDB <sup>1</sup> for pollution control and sewage and waste disposal facilities . . .	1,575	1,515	2,000	1,985	1,985
Commerce and housing credit:					
Exclusion of interest on—					
Small issue IDB <sup>1</sup> . . . . .	2,600	2,445	1,725	1,680	1,615
Life insurance savings . . . . .	6,230	6,920	9,455	9,790	10,265
State and local housing bonds for owner-occupied housing . . . .	1,895	1,775	2,730	2,745	2,575
State and local debt for rental housing . . . . .	1,220	1,150	1,505	1,490	1,475
Exclusion of capital gains on home sales for persons age 55 and over . . . . .	3,190	3,230	4,255	4,280	4,395
Deductibility of—					
Mortgage interest on owner-occupied homes . . . . .	34,190	39,785	40,690	42,000	42,900
Property tax on owner-occupied homes . . . . .	10,065	11,240	10,735	11,610	12,605
Step-up basis of capital gains at death . . . . .	(NA)	(NA)	32,750	36,025	46,120
Investment credit, other than ESOP <sup>2</sup> . . . . .	6,655	4,520	(NA)	(NA)	(NA)
Accelerated depreciation of machinery and equip. <sup>3</sup> . . . . .	28,805	23,525	18,725	17,205	19,505
Reduced rates on the first \$100,000 of corporate incomes:					
Pre-1983 budget method . . . . .	2,875	3,235	4,310	4,450	4,820
Exception from passive loss rules for \$25,000 rental losses . . . .	4,210	5,475	7,635	7,995	8,315
Education:					
Deductibility of—					
Charitable contributions (education) . . . . .	1,570	1,720	1,805	1,920	2,030
Other charitable contributions other than education . . . . .	10,590	11,730	12,285	13,135	14,045
Credit for child and dependent care expenses . . . . .	3,710	3,895	3,265	3,605	3,605
Health:					
Exclusion of employer contrib. for medical insurance premiums and medical care . . . . .	26,550	29,820	45,500	49,495	54,150
Deductibility of medical expenses . . . . .	2,690	2,860	3,025	3,170	3,365
Exclusion of interest on State and local debt for private nonprofit health facilities . . . . .	2,430	2,370	1,650	1,730	1,830
Deductibility of charitable contributions (health) . . . . .	1,415	1,555	1,635	1,750	1,875
Social Security and medicare:					
Exclusion of Social Security benefits:					
Disability insurance benefits . . . . .	1,105	1,145	1,320	1,440	1,555
OASI benefits for retired workers . . . . .	14,840	15,680	1,695	18,140	19,375
Benefits for dependents and survivors . . . . .	2,940	3,110	3,170	3,355	3,560
Income security:					
Exclusion of workmen's compensation benefits . . . . .	2,760	2,980	3,230	3,505	3,720
Net exclusion of pension contributions and earnings:					
Employer plans . . . . .	42,805	45,085	60,715	64,450	68,310
Individual Retirement Accounts . . . . .	5,440	5,960	8,290	7,720	7,160
Keoghs . . . . .	1,325	1,470	3,520	3,615	3,750
Exclusion of other employee benefits:					
Premiums on group term life insurance . . . . .	2,460	2,565	3,685	3,880	4,000
Additional deduction for the elderly <sup>4</sup> . . . . .	1,260	1,505	1,680	1,840	2,000
Veterans benefits and services:					
Exclusion of veterans disability compensation . . . . .	1,490	1,500	1,655	1,705	1,780
General purpose fiscal assistance:					
Exclusion of interest on public purpose State and local debt . . .	11,110	11,290	13,925	14,800	15,585
Deductibility of nonbusiness State and local taxes other than on owner-occupied homes . . . . .	18,495	20,290	20,940	22,075	23,810
Tax credit for corporations receiving income from doing business in United States possessions . . . . .	1,910	2,100	3,180	3,485	3,815

NA Not available. <sup>1</sup> Industrial development bonds. <sup>2</sup> Employee stock ownership plans. Includes investment credit for rehabilitation of structures, energy property, and reforestation expenditures. <sup>3</sup> Pre-1983 budget method. <sup>4</sup> Data on calendar year basis.

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

**No. 498. Federal Budget Outlays, by Agency: 1980 to 1992**

[In billions of dollars. For fiscal year ending in year shown; see text, section 9]

DEPARTMENT OR OTHER UNIT	1980	1985	1986	1987	1988	1989	1990	1991	1992, est. <sup>1</sup>
<b>Total . . . . .</b>	<b>590.9</b>	<b>946.3</b>	<b>990.3</b>	<b>1,003.9</b>	<b>1,064.1</b>	<b>1,144.2</b>	<b>1,251.8</b>	<b>1,323.0</b>	<b>1,475.4</b>
Legislative branch . . . . .	1.2	1.6	1.7	1.8	1.9	2.1	2.2	2.3	2.8
The Judiciary . . . . .	0.6	1.0	1.1	1.2	1.3	1.5	1.6	2.0	2.4
Funds appropriated to President . . . . .	8.5	11.9	11.0	10.4	7.3	4.3	10.1	11.7	11.5
Departments:									
Agriculture . . . . .	34.8	55.5	58.7	49.6	44.0	48.3	46.0	54.1	61.8
Commerce . . . . .	3.1	2.1	2.1	2.1	2.3	2.6	3.7	2.6	2.9
Defense . . . . .	146.1	263.9	285.7	294.7	304.0	318.3	314.7	288.5	322.3
Education . . . . .	14.8	16.7	17.7	16.8	18.2	21.6	23.1	25.3	26.5
Energy . . . . .	6.5	10.6	11.0	10.7	11.2	11.4	12.1	12.5	15.7
Health and Human Services . . . . .	194.2	315.5	333.9	351.3	373.6	399.8	438.7	484.4	544.1
Housing and Urban Development . . . . .	12.7	28.7	14.1	15.5	18.9	19.7	20.2	22.8	24.2
Interior . . . . .	4.5	4.8	4.8	5.1	5.1	5.2	5.8	6.1	7.1
Justice . . . . .	2.6	3.6	3.8	4.3	5.4	6.2	6.5	8.2	9.4
Labor <sup>2</sup> . . . . .	29.7	23.9	24.1	23.5	21.9	22.7	25.3	34.0	44.4
State . . . . .	1.9	2.6	2.9	2.8	3.4	3.7	4.0	4.3	4.5
Transportation . . . . .	19.8	25.0	27.4	25.4	26.4	26.6	28.6	30.5	33.4
Treasury . . . . .	76.5	164.9	179.2	180.3	202.5	230.7	255.3	276.9	291.9
Veterans Affairs . . . . .	21.1	26.3	26.5	27.0	29.3	30.0	29.0	31.2	33.6
Independent agencies:									
Environmental Protection Agency . . . . .	5.6	4.5	4.9	4.9	4.9	4.9	5.1	5.8	5.9
General Services Administration . . . . .	0.2	(-Z)	0.4	0.1	-0.3	-0.5	-0.1	0.5	0.4
NASA <sup>3</sup> . . . . .	5.0	7.3	7.4	7.6	9.1	11.0	12.4	13.9	13.8
Office of Personnel Management . . . . .	15.1	23.7	24.0	27.0	29.2	29.1	31.9	34.8	36.1
Small Business Administration . . . . .	2.0	0.7	0.6	-0.1	-0.1	0.1	0.6	0.6	0.5
Other independent agencies . . . . .	16.1	10.0	12.2	14.3	23.5	33.9	73.6	80.5	96.2
Undistributed offsetting receipts . . . . .	-32.0	-58.7	-65.0	-72.3	-78.9	-89.2	-99.0	-110.6	-116.0

Z Less than \$50 million. <sup>1</sup> Represents international affairs funds mainly. <sup>2</sup> Includes Pension Benefit Guaranty Corporation. <sup>3</sup> National Aeronautics and Space Administration.

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

**No. 499. Federal Securities—Interest Bearing Debt, by Type and Debt Holder: 1970 to 1991**

[In billions of dollars. As of end of fiscal year; see text, section 9. The Export-Import Bank was moved within the budget effective October 1, 1976. Adjustments are made to include totals for the period it was outside the budget (1970-76). Also adjustments are made to reflect certain Export-Import Bank borrowing now classified as agency debt.]

YEAR	Federal securities, total <sup>1</sup>	Interest-bearing debt, total	TYPE							DEBT HOLDER	
			Marketable				Nonmarketable			U.S. Govt. account series <sup>2</sup>	Federal reserve banks <sup>3</sup>
			Total	Bills	Notes	Treasury bonds	Total <sup>1</sup>	U.S. savings bonds	Govt. account series		
1970 . . . . .	383	369	233	76	94	63	136	51	76	95	58
1975 . . . . .	544	532	316	129	150	37	217	65	124	145	85
1980 . . . . .	914	906	595	200	311	84	312	73	190	198	121
1985 . . . . .	1,827	1,821	1,360	384	776	200	461	77	314	317	170
1988 . . . . .	2,615	2,600	1,803	398	1,090	300	797	106	536	550	229
1989 . . . . .	2,881	2,836	1,893	407	1,133	338	944	114	664	677	221
1990 . . . . .	3,266	3,211	2,093	482	1,218	377	1,118	122	779	796	233
1991 . . . . .	3,683	3,663	2,391	565	1,388	423	1,272	134	908	920	265

<sup>1</sup> Includes items not shown separately. <sup>2</sup> 1970 known as U.S. Treasury special issues. <sup>3</sup> Public Issues.

Source: U.S. Dept. of the Treasury, *Treasury Bulletin*, quarterly.

**No. 500. Interest-Bearing Government Securities Outstanding: 1970 to 1991**

[In billions of dollars, except percent. As of end of fiscal year; see text, section 9. Par values, except U.S. savings bonds series, E, F, J, and U.S. savings notes, which are included at current redemption values]

TYPE OF SECURITY	1970	1975	1980	1983	1984	1985	1986	1987	1988	1989	1990	1991
State and local govts. <sup>1</sup> . . . . .	139	214	329	447	493	551	655	698	748	805	827	848
Taxable <sup>2</sup> . . . . .	306	419	723	1,146	1,304	1,511	1,761	1,911	2,076	(NA)	(NA)	(NA)
Government account series <sup>3</sup> . . . . .	76	124	190	235	260	314	366	441	536	664	779	908
By issuer:												
U.S. Treasury . . . . .	369	532	906	1,376	1,560	1,821	2,123	2,348	2,600	2,836	3,211	3,663
Agency securities . . . . .	13	11	7	5	4	4	4	4	12	24	33	18
State and local govts. <sup>1</sup> . . . . .	139	214	329	447	493	551	655	698	748	805	827	848

NA Not available. <sup>1</sup> Source: Board of Governors, Federal Reserve System, unpublished data. Includes some partially taxable debt. <sup>2</sup> Interest is subject to both normal and surtax rates of Federal income tax. <sup>3</sup> Prior to July 1, 1974, known as U.S. Treasury special issues.

Source: Except as noted, U.S. Dept. of the Treasury, through 1980, *Statistical Appendix to the Annual Report of the Secretary of the Treasury on the State of the Finances*; thereafter, *Treasury Bulletin*, quarterly.

**No. 501. Federal Participation in Domestic Credit Markets: 1980 to 1992**

[In billions of dollars, except percent. See headnote, table 502. Federal credit programs are primarily in three forms: direct loans from the Federal Government, Federal guarantees of private lending, and lending by privately-owned government-sponsored enterprises.]

TYPE OF PARTICIPATION	1980	1985	1986	1987	1988	1989	1990	1991	1992
<b>Total funds loaned in U.S. credit markets, excluding equities<sup>1</sup></b>	<b>327.0</b>	<b>767.0</b>	<b>878.6</b>	<b>780.0</b>	<b>795.0</b>	<b>711.0</b>	<b>656.0</b>	<b>496.0</b>	<b>(NA)</b>
Federal and federally assisted lending	79.9	110.3	129.1	149.2	109.4	128.6	133.5	105.3	144.8
Federal participation rate <sup>2</sup> (percent)	24.4	14.4	14.7	19.1	13.8	18.1	20.4	21.2	(NA)
Direct loans	24.2	28.0	11.2	-19.0	13.4	-14.6	2.8	-7.5	4.6
Guaranteed loans	31.6	21.6	34.6	60.4	40.3	41.7	40.7	22.1	36.8
Government-sponsored enterprise loans	24.1	60.7	83.3	107.8	82.5	101.5	90.0	90.7	103.4
<b>Total funds borrowed in U.S. credit markets<sup>1</sup></b>	<b>327.0</b>	<b>767.0</b>	<b>878.6</b>	<b>780.0</b>	<b>795.0</b>	<b>711.0</b>	<b>656.0</b>	<b>496.0</b>	<b>(NA)</b>
Federal and federally assisted borrowing	122.5	278.9	374.5	324.0	289.4	305.0	376.2	423.5	540.8
Federal participation rate (percent)	37.5	36.4	42.6	41.5	36.4	42.9	57.4	85.4	(NA)
Federal borrowing from public	69.5	199.4	236.8	152.0	162.1	140.1	220.1	276.8	392.5
Borrowing for guaranteed loans	31.6	21.6	34.6	60.4	40.3	41.7	40.7	22.1	36.8
Government-sponsored enterprise borrowing	21.4	57.9	103.2	111.7	87.1	123.2	115.4	124.6	111.5

NA Not available. <sup>1</sup>Funds loaned to and borrowed by nonfinancial sectors, excluding equities.

Source: U.S. Office of Management and Budget, *Special Analyses, Budget of the United States Government*, annual.

**No. 502. Federal Direct and Guaranteed Loans: 1970 to 1989**

[In billions of dollars. As of end of fiscal year; see text, section 9. Government guaranteed loans are not included in Federal budget outlays. They constitute contingent liabilities not resulting in outlays, except in event of default. See headnote, table 501]

ITEM	1970	1975	1980	1982	1983	1984	1985	1986	1987	1988	1989
Direct loans, amount: <sup>1</sup>											
Gross (new) loans dispersed	12.4	28.8	49.3	37.1	43.8	41.4	64.4	42.2	35.2	33.7	26.0
Net loan outlays	3.0	12.8	24.2	23.4	15.3	6.3	28.0	11.2	-19.0	-13.4	-14.6
Direct loans outstanding	51.1	74.1	163.9	207.8	223.0	229.3	257.4	251.6	234.2	222.0	207.0
Guaranteed loans: <sup>2</sup>											
Primary	27.5	31.2	66.2	59.6	78.0	73.3	55.5	89.6	151.7	96.4	96.3
Net loans	8.4	8.7	31.6	20.9	34.1	20.1	21.6	34.6	60.4	40.3	41.7
Outstanding loans	125.1	198.3	298.5	331.2	363.8	386.7	410.4	449.8	507.0	550.0	588.6

<sup>1</sup> Includes loans from "off-budget" government accounts. <sup>2</sup> Includes capital subscriptions to international financial institutions. To avoid double counting, secondary guaranteed loans and guaranteed loans held as direct loans are excluded. Gross loan guaranties minus both secondary guaranteed loans, and guaranteed loans held as direct loans by the Government—by either on- or off-budget accounts.

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

**No. 503. U.S. Savings: 1970 to 1991**

[In billions of dollars, except percent. As of end of fiscal year, see text section 9. See *Historical Statistics, Colonial Times to 1970*, series Y 500, for similar but not exactly comparable data]

ITEM	1970	1975	1980	1984	1985	1986	1987	1988	1989	1990	1991
Amounts outstanding, total <sup>1</sup>	51.8	65.5	72.7	73.1	77.3	85.8	97.3	106.5	114.3	122.5	133.8
Funds from sales	4.7	6.8	4.8	3.9	5.0	8.3	10.3	7.3	7.7	7.8	9.2
Accrued discounts	1.0	3.3	4.2	5.3	5.2	5.6	6.1	7.9	7.5	8.0	9.9
Redemptions <sup>2</sup>	6.3	6.5	16.7	6.1	5.7	5.1	4.9	5.9	7.3	7.5	7.5
Percent of total outstanding	12.2	10.0	23.0	8.3	7.4	6.0	5.1	5.6	6.3	6.1	5.6

<sup>1</sup> Interest-bearing debt only for amounts and end of period or end of year. <sup>2</sup> Matured and unmatured bonds.

Source: U.S. Dept. of the Treasury, *Treasury Bulletin*, quarterly.

**No. 504. Government-Sponsored Enterprise Securities and Guarantees Outstanding: 1970 to 1990**

[As of December 31. In billions of dollars]

ENTERPRISE	1970	1980	1989	1990	ENTERPRISE	1970	1980	1989	1990
Total	38.9	176.9	866.7	980.1	Mortgage-backed securities ..	(X)	(X)	228.2	299.8
Farm credit system:					Freddie Mac: <sup>2</sup>				
Farm credit banks	11.4	51.8	42.4	41.9	Debt ..	(X)	4.7	24.1	28.4
Banks for cooperatives	1.9	8.6	12.6	13.3	Mortgage-backed securities ..	(X)	17.0	272.9	316.4
Farmer Mac	(X)	(X)	(X)	(X)	Fed. home loan bank system ..	10.5	37.3	136.8	117.9
Fannie Mae: <sup>1</sup>	15.2	54.9	116.1	123.4	Sallie Mae ..	(X)	2.7	33.6	39.0

X Not applicable. <sup>1</sup> Federal National Mortgage Association. <sup>2</sup> Federal Home Loan Mortgage Corporation. <sup>3</sup> Student Loan Mortgage Association.

Source: Congressional Budget Office, *Controlling the Risks of Government-Sponsored Enterprises*, April 1991.

## No. 505. Federal Funds--Summary Distribution, by State: 1990

[In millions of dollars. For year ending Sept. 30. Data for grants, salaries and wages and direct payments to individuals are on an expenditures basis; procurement is on obligation basis]

REGION, DIVISION, AND STATE	FEDERAL FUNDS		Defense	Non-defense	Direct payments to individuals	Procurement	Grants to State and local governments	Salaries and wages
	Total <sup>1</sup>	Per capita <sup>2</sup> (dol.)						
U.S. . . . .	993,418	3,994	224,286	769,125	494,011	187,551	130,861	145,165
Northeast . . . . .	203,330	4,002	35,976	167,354	110,207	32,411	34,032	20,896
New England . . . . .	59,091	4,474	17,064	42,028	27,526	15,330	8,169	5,935
Maine . . . . .	4,925	4,011	1,243	3,682	2,566	942	762	561
New Hampshire . . . . .	3,559	3,209	902	2,657	1,925	430	427	692
Vermont . . . . .	1,772	3,148	153	1,619	1,025	107	377	210
Massachusetts . . . . .	29,778	4,949	8,909	20,869	13,253	8,808	3,857	2,647
Rhode Island . . . . .	4,318	4,303	957	3,361	2,291	600	773	558
Connecticut . . . . .	14,739	4,484	4,900	9,840	6,466	4,443	1,973	1,267
Middle Atlantic . . . . .	144,239	3,836	18,912	125,326	82,681	17,081	25,863	14,961
New York . . . . .	70,493	3,918	8,344	62,149	37,595	8,621	15,761	6,423
New Jersey . . . . .	28,322	3,664	5,205	23,116	16,271	4,307	3,977	3,396
Pennsylvania . . . . .	45,424	3,823	5,363	40,061	28,815	4,153	6,125	5,142
Midwest . . . . .	206,360	3,458	29,549	176,807	118,451	25,150	28,964	22,477
East North Central . . . . .	135,664	3,229	15,726	119,936	83,541	13,571	20,380	14,106
Ohio . . . . .	37,920	3,496	6,411	31,509	21,785	6,038	5,988	3,922
Indiana . . . . .	16,915	3,051	2,656	14,258	10,024	1,971	2,423	1,800
Illinois . . . . .	36,696	3,210	3,158	33,538	22,687	2,601	5,280	4,755
Michigan . . . . .	29,205	3,142	2,175	27,029	19,671	1,698	4,751	2,432
Wisconsin . . . . .	14,928	3,052	1,326	13,602	9,374	1,263	2,538	1,197
West North Central . . . . .	70,696	4,003	13,823	56,871	34,910	11,579	8,584	8,371
Minnesota . . . . .	15,073	3,445	2,117	12,956	7,544	2,078	2,336	1,348
Iowa . . . . .	9,862	3,587	687	9,275	5,704	700	1,289	733
Missouri . . . . .	24,258	4,741	7,490	16,768	10,791	6,961	2,177	2,858
North Dakota . . . . .	2,910	4,555	423	2,486	1,277	164	471	511
South Dakota . . . . .	2,863	4,114	298	2,565	1,385	119	511	503
Nebraska . . . . .	6,092	3,448	901	5,191	3,146	426	779	953
Kansas . . . . .	9,538	3,850	1,907	7,630	5,063	1,131	1,021	1,465
South . . . . .	348,226	4,075	82,399	265,825	170,424	58,534	40,995	66,142
South Atlantic . . . . .	195,919	4,497	50,413	145,504	91,501	33,361	20,173	43,821
Delaware . . . . .	2,149	3,226	336	1,812	1,269	138	313	384
Maryland . . . . .	27,118	5,671	7,235	19,883	9,816	6,694	2,350	6,101
District of Columbia . . . . .	17,353	28,592	2,358	14,995	9,161	2,936	1,718	9,439
Virginia . . . . .	36,346	5,874	17,380	18,967	12,525	10,168	2,237	10,303
West Virginia . . . . .	6,609	3,685	416	6,193	4,472	325	1,009	600
North Carolina . . . . .	20,172	3,043	4,219	15,953	11,540	1,592	2,942	3,564
South Carolina . . . . .	13,664	3,919	3,136	10,527	6,197	2,664	1,892	2,407
Georgia . . . . .	21,149	3,265	4,958	16,190	10,839	2,228	3,136	4,427
Florida . . . . .	51,359	3,970	10,375	40,984	32,882	6,616	4,576	6,596
East South Central . . . . .	58,900	3,881	10,167	48,733	30,579	10,322	8,457	8,187
Kentucky . . . . .	13,524	3,670	1,720	11,804	7,267	2,010	2,044	1,918
Tennessee . . . . .	18,049	3,701	2,075	15,974	9,470	3,308	2,717	2,225
Alabama . . . . .	17,281	4,272	3,921	13,340	8,589	3,388	2,101	2,756
Mississippi . . . . .	10,066	3,912	2,451	7,615	5,253	1,616	1,595	1,288
West South Central . . . . .	93,407	3,498	21,819	71,588	48,344	14,851	12,365	14,134
Arkansas . . . . .	8,250	3,509	997	7,253	5,286	391	1,250	930
Louisiana . . . . .	15,116	3,582	2,858	12,258	7,667	2,384	2,658	1,863
Oklahoma . . . . .	11,804	3,753	2,387	9,417	6,529	873	1,568	2,281
Texas . . . . .	58,237	3,428	15,577	42,660	28,862	11,203	6,889	9,060
West . . . . .	212,506	4,026	60,566	151,941	94,186	49,681	26,539	35,500
Mountain . . . . .	58,041	4,249	15,009	43,033	24,804	14,513	7,016	9,581
Montana . . . . .	3,345	4,186	295	3,050	1,644	167	591	523
Idaho . . . . .	3,888	3,862	324	3,564	1,803	862	569	508
Wyoming . . . . .	1,855	4,089	231	1,624	770	146	568	315
Colorado . . . . .	14,586	4,428	5,063	9,523	5,687	4,043	1,429	2,757
New Mexico . . . . .	8,640	5,703	1,622	7,018	2,862	3,256	959	1,358
Arizona . . . . .	15,072	4,112	4,880	10,212	7,382	3,667	1,620	2,047
Utah . . . . .	6,511	3,779	1,891	4,620	2,490	1,543	838	1,427
Nevada . . . . .	4,144	3,448	723	3,422	2,176	829	442	646
Pacific . . . . .	154,465	3,948	45,557	108,908	69,382	35,168	19,523	25,919
Washington . . . . .	20,149	4,140	5,362	14,787	9,328	3,943	2,568	3,584
Oregon . . . . .	9,826	3,457	779	9,047	5,960	649	1,708	1,186
California . . . . .	115,802	3,891	35,467	80,335	51,448	29,500	13,932	17,746
Alaska . . . . .	3,227	5,867	1,345	1,882	612	529	717	1,237
Hawaii . . . . .	5,461	4,927	2,604	2,857	2,034	547	598	2,166
Undistributed . . . . .	22,996	(X)	15,799	7,198	745	21,775	302	150

X Not applicable. <sup>1</sup> Includes other programs not shown separately. <sup>2</sup> Based on Bureau of the Census resident population as of April 1, 1990.

Source: U.S. Bureau of the Census, *Federal Expenditures by State for Fiscal Year*, annual.

## No. 506. Tax Returns Filed—Examination Coverage: 1970 to 1990

[In thousands, except as indicated. Identification of returns with either schedule C (nonfarm sale proprietorships) or schedule F (farm proprietorships) for audit examination purposes was based in the largest source of income on the return and certain other characteristics. Therefore, the number with schedule C is not comparable to the number of nonfarm sale proprietorships returns in table 829.]

YEAR AND ITEM	Returns filed	RETURNS EXAMINED					AVERAGE TAX AND PENALTY—DOLLARS PER RETURN		
		Total	Percent of returns filed	By—			Revenue agents	Tax auditors	Service centers
				Revenue agents	Tax auditors	Service centers			
<b>INDIVIDUAL RETURNS</b>									
1970	76,431	1,672	2.2	(NA)	(NA)	-	(NA)	(NA)	-
1975	81,272	1,839	2.3	355.2	1,483.4	-	2,609	219	
1980	90,727	1,834	2.0	292.5	1,346.3	195.1	1,335	602	39
1984	95,541	1,216	1.3	276.2	859.4	80.4	11,584	1,314	692
1985	96,497	1,266	1.3	323.6	810.9	122.1	10,854	1,539	496
1986	99,529	1,091	1.1	298.9	732.5	59.6	14,052	1,945	862
1987	101,751	1,109	1.1	317.5	610.4	181.3	12,235	2,107	4,084
1988	103,251	1,061	1.0	352.8	532.3	175.7	9,750	2,190	4,195
1989	107,029	985	0.9	243.0	542.7	199.0	11,347	1,827	2,393
<b>1990, total</b>	<b>109,868</b>	<b>883</b>	<b>0.8</b>	<b>202.8</b>	<b>517.2</b>	<b>163.2</b>	<b>16,248</b>	<b>1,963</b>	<b>3,817</b>
1040A, income under \$25,000	42,116	186	0.4	12.3	138.9	34.8	17,958	1,378	4,716
Non 1040A, income: <sup>2</sup>									
Under \$25,000	20,465	115	0.6	16.5	79.1	19.7	6,243	1,269	1,131
\$25,000 - \$49,999, simple	26,399	196	0.7	28.0	138.1	29.8	7,278	1,690	3,524
\$50,000 - \$99,999, complex	11,167	121	1.1	27.0	78.0	22.5	9,512	1,896	2,398
\$100,000 and over	2,555	120	4.7	47.8	28.4	44.3	25,735	4,760	5,345
Schedule C-TGR: <sup>3</sup>									
Under \$25,000	2,168	29	1.4	9.4	18.9	1.1	6,959	2,237	1,348
\$25,000 - \$99,999	2,667	50	1.9	20.8	25.5	3.5	9,697	3,787	1,682
\$100,000 and over	1,464	50	3.4	33.1	9.8	6.6	27,608	7,308	4,735
Schedule F-TGR: <sup>3</sup>									
Under \$100,000	638	8	1.3	3.2	4.7	0.4	5,964	1,133	789
\$100,000 and over	269	7	2.7	4.9	1.8	0.4	16,560	2,183	3,712
<b>1989—OTHER RETURNS</b>									
Fiduciary	2,625	3	0.1	2.6	-	-	42,992	-	-
Partnerships	1,663	13	0.8	13.2	-	-	-	-	-
Corporations, total	2,752	71	2.6	71.3	-	-	193,925	-	-
Estate, total	56	12	21.1	11.8	-	-	15,525	-	-
Gift	124	2	1.3	1.6	-	-	150,526	-	-
Excise	887	41	4.7	41.3	-	-	5,313	-	-
Employment	28,893	70	0.2	48.7	2.3	-	6,886	1,003	-
Windfall profit	-	3	-	0.5	-	-	972,264	-	18,283
Miscellaneous	-	1	-	0.1	-	2.5	445	-	-
Service center corrections	-	274	-	-	-	274.3	-	-	1,526

<sup>1</sup> Represents zero. NA Not available. <sup>1</sup> Returns filed in previous calendar year. <sup>2</sup> Income from positive sources only.

<sup>3</sup> Total gross receipts.

Source: U.S. Internal Revenue Service, *Annual Report of the Commissioner and Chief Counsel of the Internal Revenue Service*.

## No. 507. Internal Revenue Gross Collections, by Source: 1970 to 1990

[For fiscal year ending in year shown; see text section 9. See also *Historical Statistics, Colonial Times to 1970*, series Y 35]

SOURCE OF REVENUE	COLLECTIONS (bil. dol.)						PERCENT OF TOTAL				
	1970	1980	1985	1987	1988	1989	1970	1980	1985	1989	1990
All taxes	195.8	519.4	742.9	886.3	935.1	1,013.5	1,056.3	100.0	100.0	100.0	100.0
Individual income taxes	103.7	287.5	396.7	465.4	473.7	515.7	540.2	54.9	53.4	50.9	51.1
Withheld by employers	77.4	223.8	299.0	322.5	341.5	361.4	388.4	43.1	40.2	35.7	36.8
Employment taxes	37.4	128.3	225.2	277.0	318.0	345.6	367.2	24.7	30.2	34.1	34.8
Old-age and disability insurance	35.7	122.5	215.6	266.6	307.6	336.8	357.5	23.6	29.0	33.2	33.8
Unemployment insurance	0.8	3.3	6.7	6.2	6.2	4.7	5.5	0.6	0.8	0.5	0.5
Corporation income taxes	35.0	72.4	77.4	102.8	109.7	117.0	110.0	13.9	10.4	11.5	10.4
Estate and gift taxes	3.7	6.5	5.6	7.7	7.8	9.0	11.8	1.3	0.9	0.9	1.1
Excise taxes	15.9	24.6	37.0	33.3	25.9	26.0	27.1	4.7	5.0	2.6	2.6
Alcohol and tobacco	6.8	8.1	9.9	10.4	10.3	10.1	10.1	1.6	1.3	1.0	1.0
Manufactures	6.7	6.5	10.0	10.2	10.6	11.2	11.0	1.3	1.3	1.1	1.0
Windfall profits tax	(X)	3.1	5.1	(Z)	(Z)	(Z)	(Z)	0.6	0.7	(Z)	(Z)
Other	2.4	10.0	17.0	12.0	5.0	4.7	6.0	1.9	2.3	0.5	0.6

X Not applicable. Z Less than \$50 million or .05 percent. <sup>1</sup> Includes railroad retirement, not shown separately.

Source: U.S. Internal Revenue Service, *Annual Report of the Commissioner and Chief Counsel of the Internal Revenue Service*.

**No. 508. Federal Individual Income Tax Returns With Adjusted Gross Income (AGI)—Summary: 1980 to 1989**

[Includes Puerto Rico and Virgin Islands. Includes returns of resident aliens, based on a sample of unaudited returns as filed. Data are not comparable for all years because of tax changes and other changes, as indicated. See *Statistics of Income, Individual Income Tax Returns* publications for a detailed explanation. See Appendix III, *See Historical Statistics, Colonial Times to 1979*, series Y 383-411, for related data.]

ITEM	NUMBER OF RETURNS (1,000)						AMOUNT (mil. dol.)				AVERAGE AMOUNT DOLLARS (dollars)				
	1980	1985	1988	1989	1980	1985	1988	1989	1980	1985	1988	1989	1980	1989	
Total returns .....	33,902	101,650	109,708	112,136	1,613,731	2,305,951	3,083,020	3,256,358	17,185	22,683	28,102	29,039	28,633	28,050	
Form 1040 .....	57,123	67,006	71,359	71,563	1,310,083	1,938,253	2,614,128	2,757,119	22,935	28,927	35,113	35,633	35,070	35,633	
Salaries and wages .....	83,802	87,188	93,257	95,488	1,349,843	1,928,201	2,357,984	2,449,531	16,108	22,113	25,070	25,653	26,933	26,922	
Interest received .....	49,020	64,516	69,421	69,882	112,019	182,109	236,982	250,116	20,081	25,718	32,756	33,150	33,376	33,523	
Dividends in AGI .....	10,759	15,538	22,903	23,080	30,016	77,230	81,300	85,609	5,609	5,945	6,620	6,932	6,938	6,932	
Business or profession profit less loss .....	8,881	11,900	13,571	14,161	55,129	78,773	126,323	132,738	145,631	153,769	16,763	16,763	16,763	16,763	
Salts of capital assets, net gain less loss, in AGI .....	9,971	11,128	14,286	15,080	30,029	67,694	138,786	147,358	5,878	6,084	8,420	8,420	8,420	8,420	
Pensions and annuities in AGI .....	7,374	13,133	16,481	16,817	43,340	95,084	138,786	147,358	5,878	6,084	8,420	8,420	8,420	8,420	
Rents and royalties, net income less loss .....	8,208	9,984	10,131	10,131	4,105	-10,946	-1,279	-1,279	500	-1,099	-128	-128	(NA)	(NA)	
Partnerships and S Corporations, profit less loss .....	3,910	5,488	5,839	5,928	10,095	-2,527	100,918	63,092	2,583	-460	17,107	17,107	10,643	10,643	
Farm profit less loss .....	2,608	2,621	2,368	2,360	-1,792	-12,005	-1,177	-1,177	-687	-4580	-4580	-4580	-91	-91	
Stationery adjustments, total .....	13,149	37,753	10,747	9,927	28,614	95,082	28,202	24,573	2,176	2,518	2,624	2,624	2,475	2,475	
Individual Retirement Arrangements .....	2,564	16,296	6,386	5,825	3,431	38,212	11,882	10,829	1,338	2,358	1,867	1,867	1,569	1,569	
Self-employed retirement (Keogh) plan .....	569	676	815	822	2,008	6,912	6,627	6,325	7,666	8,131	7,836	7,836	(NA)	(NA)	
Married couples who both work .....	(NA)	24,835	(NA)	(NA)	24,615	(NA)	(NA)	(NA)	991	991	(NA)	(NA)	(NA)	(NA)	
Exemptions, total <sup>2</sup> .....	227,825	244,180	221,884	223,756	227,589	253,720	430,771	447,130	998	1,039	1,941	1,941	1,938	1,938	
Age 65 or older .....	11,847	16,749	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Blind .....	185	327	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Standard and itemized deductions, total <sup>3</sup> .....	88,105	96,819	108,375	111,311	362,775	554,734	684,780	740,409	4,118	5,728	6,318	6,318	6,652	6,652	
Itemized deductions, total <sup>3</sup> .....	28,950	39,848	31,903	31,922	218,028	405,024	335,216	430,978	7,531	10,164	12,388	13,380	(NA)	(NA)	
Medical and dental expenses .....	19,458	10,777	9,910	5,128	22,926	22,926	17,994	20,921	763	7,340	4,980	4,980	4,182	4,182	
Taxes paid .....	28,749	39,548	31,328	31,393	69,404	128,085	120,628	131,300	2,414	3,239	3,850	3,850	6,562	6,562	
Interest paid .....	26,677	36,287	29,631	29,438	91,187	179,738	193,186	203,186	4,963	6,065	1,326	1,326	1,904	1,904	
Contributions .....	26,601	36,182	29,111	29,132	25,810	47,983	50,949	55,459	970	1,750	2,127	2,127	23,543	23,543	
Taxable income <sup>4</sup> .....	88,105	96,124	90,219	92,314	1,279,985	1,820,741	2,069,967	2,173,346	14,526	18,942	22,928	22,928	14,526	14,526	
Income tax before credits .....	76,136	85,994	92,246	92,246	322,165	418,889	438,240	3,366	3,863	4,643	4,643	4,643	4,643	4,751	4,751
Tax credits, total <sup>2</sup> .....	19,674	20,995	14,099	12,035	7,216	10,246	7,047	6,131	367	488	499	499	509	509	
Child tax credit .....	4,231	8,418	9,023	6,028	9,956	3,128	3,813	2,439	226	372	422	422	405	405	
Elderly and disabled .....	562	463	357	320	185	108	66	64	120	235	193	193	(NA)	(NA)	
Residential energy .....	4,670	2,978	(NA)	(NA)	562	(NA)	(NA)	(NA)	120	273	1,725	1,725	2,044	2,044	
Foreign tax .....	353	454	559	612	1,342	738	1,087	1,312	3,415	1,944	1,944	1,944	1,944	1,944	
General business credit <sup>5</sup> .....	(NA)	4,614	385	332	718	593	1,038	1,038	3,387	3,932	4,705	4,705	4,855	4,855	
Income tax, total .....	73,906	82,846	87,735	89,178	250,341	325,710	412,870	422,940	3,932	4,705	4,705	4,705	4,855	4,855	

NA Not available. <sup>1</sup> Represents corporations with no more than 35 shareholders (10 in 1980), most of which are individuals electing to be taxed at the shareholder level. <sup>2</sup> Includes items not shown separately. <sup>3</sup> For 1985, includes charitable deduction for nonitemizers. Starting 1988 includes additional standard deductions for age 65 or older or for blindness. <sup>4</sup> For 1980 and 1985, includes amounts "taxed" at zero percent. <sup>5</sup> Includes investment credit.

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin*, and *Statistics of Income*. *Individual Income Tax Returns*, annual.

**No. 509. Individual Income Tax Returns—Number, Income Tax, and Average Tax, by Size of Adjusted Gross Income: 1988 and 1989**

[Number in thousands; money amounts in billions of dollars, except as indicated]

SIZE OF ADJUSTED GROSS INCOME	NUMBER OF RETURNS		ADJUSTED GROSS INCOME (AGI)		TAXABLE INCOME		INCOME TAX TOTAL <sup>1</sup>		TAX AS PERCENT OF AGI		AVERAGE TAX (\$1,000)	
	1988	1989, prel.	1988	1989, prel.	1988	1989, prel.	1988	1989, prel.	1988	1989, prel.	1988	1989, prel.
<b>Total . . . . .</b>	<b>109,708</b>	<b>112,136</b>	<b>3,083.0</b>	<b>3,256.4</b>	<b>2,070.0</b>	<b>2,173.3</b>	<b>412.9</b>	<b>432.9</b>	<b>13.8</b>	<b>13.6</b>	<b>4.7</b>	<b>4.9</b>
Less than \$1,000 <sup>2</sup>	3,962	3,866	-39.3	-40.7	0.2	0.2	0.1	0.1	(X)	(X)	0.2	0.2
\$1,000-\$2,999	7,456	7,331	14.7	14.4	1.0	1.0	0.2	0.2	4.6	4.6	0.1	0.1
\$3,000-\$4,999	6,467	6,396	25.7	25.4	2.5	2.3	0.4	0.4	4.4	3.9	0.2	0.2
\$5,000-\$6,999	6,218	6,080	37.4	36.3	6.4	5.2	0.9	0.8	3.9	3.5	0.2	0.2
\$7,000-\$8,999	6,191	6,038	49.4	48.2	12.1	11.4	1.8	1.7	5.8	5.2	0.5	0.5
\$9,000-\$10,999	5,850	5,955	58.4	59.6	18.4	17.5	2.5	2.5	6.5	6.3	0.6	0.6
\$11,000-\$12,999	5,430	5,846	65.2	70.2	25.0	26.4	3.4	3.6	7.0	6.8	0.8	0.8
\$13,000-\$14,999	5,428	5,391	75.8	75.3	33.8	32.2	4.5	4.3	7.4	7.2	1.0	1.0
\$15,000-\$16,999	4,966	4,914	79.4	78.6	39.6	38.5	5.5	5.3	7.5	7.3	1.2	1.2
\$17,000-\$18,999	4,653	4,680	83.6	84.2	44.2	45.1	6.4	6.5	7.9	7.7	1.4	1.4
\$19,000-\$21,999	6,093	6,118	124.6	125.1	71.3	70.7	10.4	10.5	8.5	8.4	1.7	1.8
\$22,000-\$24,999	5,328	5,359	125.0	125.6	76.2	75.1	11.3	11.2	9.1	8.9	2.1	2.1
\$25,000-\$29,999	7,518	7,615	206.2	209.2	130.6	131.9	20.4	20.7	9.9	9.7	2.7	2.7
\$30,000-\$39,999	11,957	12,100	415.3	420.2	274.6	278.3	44.1	45.6	10.7	10.7	3.8	3.8
\$40,000-\$49,999	8,265	8,590	369.1	383.7	255.1	263.1	42.8	44.0	11.6	11.4	5.1	5.1
\$50,000-\$57,499	8,904	9,921	532.7	594.4	383.1	424.6	74.3	81.3	14.0	13.3	8.2	8.2
\$75,000-\$99,999	2,520	3,059	214.2	261.1	159.6	193.0	35.7	42.7	16.7	15.9	14.0	14.0
\$100,000-\$119,999	1,778	2,090	236.1	276.3	183.3	212.2	47.8	54.5	20.3	19.0	26.1	26.1
\$200,000-\$499,999	548	613	161.9	179.1	134.7	146.4	38.7	41.6	23.9	23.3	68.0	68.0
\$500,000-\$999,999	115	116	77.9	78.5	67.6	66.9	19.2	18.9	24.6	24.3	167.1	163.5
\$1,000,000 or more	62	58	169.6	151.5	150.8	131.4	42.4	36.6	25.0	24.7	684.5	636.6

X Not applicable. <sup>1</sup> Consists of income after credits, and alternative minimum tax, and minimum tax. <sup>2</sup> In addition to low income taxpayers, this size class (and others) includes taxpayers with tax preferences, "not reflected in adjusted gross income or taxable income which are subject to the "alternative minimum tax" (included in total income tax).

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin*, quarterly and *Statistics of Income, Individual Income Tax Returns*, annual.

**No. 510. Individual Income Tax Returns—Itemized Deductions and Statutory Adjustments, by Size of Adjusted Gross Income: 1989**

[Preliminary]

ITEM	Unit	ADJUSTED GROSS INCOME CLASS								
		Total	Under \$10,000	\$10,000 to \$19,999	\$20,000 to \$29,999	\$30,000 to \$39,999	\$40,000 to \$49,999	\$50,000 to \$99,999	\$100,000 and over	
Returns with itemized deductions:										
Number . . . . .	1,000	31,972	792	2,576	4,289	5,364	5,424	10,782	2,745	
Amount . . . . .	Mil. dol.	430,978	7,032	21,092	35,788	49,201	56,658	149,852	111,355	
Medical and dental expenses:										
Returns . . . . .	1,000	5,128	494	1,274	1,216	859	593	633	59	
Amount . . . . .	Mil. dol.	20,921	2,925	5,438	3,952	2,489	2,088	3,204	825	
Taxes paid: Returns, total	1,000	31,393	664	2,398	4,172	5,312	5,385	10,729	2,734	
State, local income taxes	1,000	26,415	329	1,678	3,487	4,493	4,665	9,363	2,400	
Real estate taxes . . . . .	1,000	27,999	549	1,977	3,482	4,641	4,841	9,933	2,577	
Amount, total . . . . .	Mil. dol.	131,300	852	3,443	7,713	12,471	15,915	47,243	43,661	
State, local income taxes	Mil. dol.	80,905	141	1,008	3,330	6,276	8,714	28,170	33,267	
Real estate taxes . . . . .	Mil. dol.	45,211	657	2,203	3,905	5,557	6,485	17,065	9,337	
Interest paid: Returns . . . . .	1,000	29,438	545	2,083	3,895	5,038	5,143	10,248	2,486	
Amount . . . . .	Mil. dol.	193,186	2,474	8,242	16,632	24,773	27,890	70,990	42,185	
Home mortgages interest:										
Returns . . . . .	1,000	25,684	448	1,663	3,233	4,377	4,558	9,229	2,176	
Amount . . . . .	Mil. dol.	162,714	2,216	7,275	14,589	21,792	24,718	62,253	29,872	
Contributions: Returns . . . . .	1,000	29,132	534	2,101	3,720	4,817	5,015	10,302	2,645	
Amount . . . . .	Mil. dol.	55,459	398	2,286	4,238	5,767	6,643	18,099	18,028	
Employee business expense:										
Returns . . . . .	1,000	9,927	768	1,647	1,950	1,740	1,338	1,620	783	
Amount . . . . .	Mil. dol.	24,573	873	2,283	3,332	3,298	2,343	5,298	6,940	
Returns with statutory adjustments:										
Returns . . . . .	1,000	5,825	301	946	1,364	1,232	964	725	275	
Amount of adjustments . . . . .	Mil. dol.	10,829	451	1,554	2,398	2,259	1,526	1,808	799	
Payments to IRA's: <sup>2</sup> Returns . . . . .	1,000	822	15	36	57	67	75	291	278	
Amount . . . . .	Mil. dol.	6,326	10	63	140	214	230	1,553	4,109	
Payments to Keogh plans:										
Returns . . . . .	1,000	8,306	67	389	1,083	1,429	1,545	3,160	632	
Amount . . . . .	Mil. dol.	20,708	117	730	2,168	2,807	2,980	8,161	3,746	
Alimony paid: Returns . . . . .	1,000	601	29	64	93	84	60	172	86	
Amount . . . . .	Mil. dol.	4,514	154	284	444	423	273	1,237	1,591	

<sup>1</sup> Includes disability income exclusion, employee business expenses, moving expenses, forfeited interest penalty, alimony paid, deduction for expense of living abroad, and other data not shown separately. <sup>2</sup> Individual Retirement Account.

Source: U.S. Internal Revenue Service, *Statistics of Income, Individual Income Tax Returns*, annual.

**No. 511. Federal Individual Income Tax Returns—Adjusted Gross Income (AGI), by Source of Income and Income Class for Taxable Returns: 1989**

[In millions of dollars, except as indicated. Minus sign (-) indicates net loss was greater than net income. See headnote, table 508]

ITEM	Total <sup>1</sup>	Under \$10,000	\$10,000 to \$19,999	\$20,000 to \$29,999	\$30,000 to \$39,999	\$40,000 to \$49,999	\$50,000 to \$99,999	\$100,000 and over
Number of returns(1,000) . . . . .	89,180	14,322	21,702	16,716	12,047	8,560	12,960	2,873
Source of income:								
Adjusted gross income (AGI) . . . . .	3,158,294	79,682	326,530	412,669	418,393	382,363	854,215	684,441
Salaries and wages . . . . .	2,337,830	63,128	244,972	336,713	349,694	316,072	684,843	342,408
Interest received . . . . .	204,278	9,478	29,083	24,290	20,118	18,417	43,977	58,915
Dividends in AGI . . . . .	77,815	1,980	5,702	5,827	5,662	5,232	18,293	35,119
Business; prof. net profit less loss . . . . .	128,906	2,317	10,456	13,108	12,122	11,814	35,364	43,725
Pensions and annuities in AGI . . . . .	138,668	4,428	28,292	24,798	20,019	16,979	31,530	12,633
Sales of property, net <sup>2</sup> . . . . .	140,542	2,087	1,794	3,241	3,585	4,589	19,916	105,332
Rents, royalties, net <sup>3</sup> . . . . .	928	-2,098	134	-1,111	-849	-660	-2,095	7,606
Other sources, net <sup>4</sup> . . . . .	129,327	1,638	6,097	5,813	8,042	9,920	22,387	78,703
Percent of all returns:								
Number of returns . . . . .	79.5	12.8	19.4	14.9	10.7	7.6	11.6	2.6
Adjusted gross income . . . . .	96.9	2.6	10.0	12.7	12.8	11.7	26.2	21.0
Salaries and wages . . . . .	95.4	2.6	10.0	9.8	14.3	12.9	28.0	14.0
Interest received . . . . .	92.8	4.3	13.2	11.0	9.1	8.4	20.0	26.8
Dividends in AGI . . . . .	95.7	2.4	7.0	7.2	6.9	6.4	22.6	43.2
Business; prof. net profit less loss . . . . .	97.1	1.7	7.9	9.9	9.1	8.9	26.6	32.9
Pensions and annuities in AGI . . . . .	94.1	3.0	19.2	16.8	13.6	11.5	21.4	8.6
Sales of property <sup>2</sup> . . . . .	95.8	1.4	1.2	2.2	2.4	3.1	13.6	71.8

<sup>1</sup> Includes a small number of taxable returns with no adjusted gross income. <sup>2</sup> Includes sales of capital assets and other property; net gain less loss. <sup>3</sup> Excludes rental passive losses disallowed in the compilation of AGI; net income less loss.

<sup>4</sup> Includes statutory adjustments of \$28,201 million for 1989.

Source: U.S. Internal Revenue Service, *Statistics of Income, Individual Income Tax Returns, 1989*.

**No. 512. Federal Individual Income Tax Returns, Income, and Taxes, 1970 to 1989, and by State, 1989**

YEAR, DIVISION, STATE	Number of returns <sup>1</sup> (1,000)	Adjusted gross income (AGI) <sup>2</sup>	INCOME TAX		YEAR, DIVISION, STATE	Number of returns <sup>1</sup> (1,000)	Adjusted gross income (AGI) <sup>2</sup>	INCOME TAX	
			Total <sup>3</sup> (mil. dol.)	Per capita <sup>4</sup> (dol.)				Total <sup>3</sup> (mil. dol.)	Per capita <sup>4</sup> (dol.)
1970 . . . . .	74,278	631,626	82,880	406	S.A. . . . .	19,819	562,088	77,210	1,791
1975 . . . . .	82,229	947,785	124,526	578	DE . . . . .	324	9,842	1,352	2,009
1980 . . . . .	93,902	1,613,731	250,341	1,102	MD . . . . .	2,314	76,934	10,720	2,284
1985 . . . . .	102,037	2,289,333	336,638	1,410	DC . . . . .	323	10,030	1,514	2,507
1987 . . . . .	107,402	2,772,620	386,357	1,587	VA . . . . .	2,864	88,220	12,067	1,978
1988 . . . . .	110,348	3,064,260	431,416	1,755	WV . . . . .	688	16,192	1,997	1,075
<b>U.S., 1989</b>	<b>113,242</b>	<b>3,250,669</b>	<b>453,494</b>	<b>1,827</b>	NC . . . . .	3,002	77,689	9,998	1,522
<b>Northeast . . . . .</b>	<b>24,017</b>	<b>778,391</b>	<b>113,916</b>	<b>2,244</b>	SC . . . . .	1,513	36,549	4,410	1,256
<b>N.E. . . . .</b>	<b>6,499</b>	<b>212,270</b>	<b>31,399</b>	<b>2,407</b>	GA . . . . .	2,820	76,936	10,117	1,572
ME . . . . .	568	14,338	1,808	1,480	FL . . . . .	5,971	169,688	25,035	1,976
NH . . . . .	553	17,146	2,464	2,226	E.S.C. . . . .	6,297	151,485	19,457	1,263
VT . . . . .	268	7,103	936	1,651	KY . . . . .	1,497	36,216	4,644	1,246
MA . . . . .	2,956	96,340	14,139	2,391	TN . . . . .	2,134	53,532	7,222	1,461
RI . . . . .	476	13,698	1,885	1,889	AL . . . . .	1,670	40,953	5,159	1,252
CT . . . . .	1,678	63,645	10,167	3,139	MS . . . . .	996	20,784	2,432	927
<b>M.A. . . . .</b>	<b>17,518</b>	<b>566,121</b>	<b>82,517</b>	<b>2,187</b>	W.S.C. . . . .	<b>11,137</b>	<b>281,273</b>	<b>39,228</b>	<b>1,453</b>
NY . . . . .	8,180	275,423	40,309	2,246	AR . . . . .	953	20,693	2,507	1,041
NJ . . . . .	3,832	137,227	20,772	2,685	LA . . . . .	1,847	38,354	5,018	1,145
PA . . . . .	5,506	153,471	21,436	1,780	OK . . . . .	1,299	31,060	4,012	1,244
<b>Midwest . . . . .</b>	<b>27,078</b>	<b>750,969</b>	<b>103,005</b>	<b>1,713</b>	TX . . . . .	7,238	191,166	27,691	1,629
<b>E.N.C. . . . .</b>	<b>19,170</b>	<b>542,956</b>	<b>75,102</b>	<b>1,776</b>	West . . . . .	<b>23,797</b>	<b>706,100</b>	<b>98,097</b>	<b>1,894</b>
OH . . . . .	5,017	133,502	17,740	1,626	Mt. . . . .	5,953	154,499	20,258	1,499
IN . . . . .	2,490	65,785	8,743	1,563	MT . . . . .	350	7,518	980	1,216
IL . . . . .	5,296	162,701	24,166	2,073	ID . . . . .	410	9,650	1,201	1,184
MI . . . . .	4,145	121,711	16,807	1,812	WY . . . . .	200	5,220	739	1,555
WI . . . . .	2,222	59,257	7,646	1,571	CO . . . . .	1,533	42,448	5,772	1,740
<b>W.N.C. . . . .</b>	<b>7,908</b>	<b>208,013</b>	<b>27,903</b>	<b>1,563</b>	NM . . . . .	643	14,548	1,772	1,159
MN . . . . .	1,994	57,354	7,644	1,756	AZ . . . . .	1,573	41,173	5,300	1,490
IA . . . . .	1,249	30,584	3,972	1,399	UT . . . . .	661	16,767	1,932	1,131
MO . . . . .	2,269	59,896	8,125	1,576	UT . . . . .	583	17,175	2,562	2,306
ND . . . . .	280	6,155	799	1,211	NV . . . . .	1,271	33,361	4,328	1,534
SD . . . . .	305	6,490	859	1,201	Pac . . . . .	17,844	551,801	77,839	2,033
NE . . . . .	722	17,773	2,350	1,459	WA . . . . .	2,232	65,107	9,351	1,964
KS . . . . .	1,098	29,761	4,154	1,653	OR . . . . .	1,271	33,361	4,328	1,534
<b>South . . . . .</b>	<b>37,253</b>	<b>994,846</b>	<b>135,895</b>	<b>1,589</b>	CA . . . . .	13,486	428,913	60,680	2,087
					AK . . . . .	313	8,368	1,302	2,470
					HI . . . . .	542	15,852	2,178	1,958

<sup>1</sup> Beginning 1985, includes returns filled by nonresident aliens and certain self-employment tax returns.

<sup>2</sup> Less deficit. Includes additional tax for tax preferences, self-employment tax, tax from investment credit recapture and other income-related taxes. Total is before earned income credit. <sup>4</sup> Based on resident population as of July 1.

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin*, spring 1990.

**No. 513. Federal Individual Income Tax—Effective (Average) and Marginal Tax Rates, for Selected Income Groups: 1970 to 1990**

Refers to income after exclusions. Effective rate represents tax liability divided by stated income. The marginal tax rate is the percentage of the first additional dollar of income which would be paid in income tax. Computations assume the low income allowance, standard deduction, zero bracket amount, or itemized deductions equal to 10 percent of adjusted gross income, whichever is greatest.<sup>1</sup> Excludes self employment tax. See *Historical Statistics, Colonial Times to 1970*, series 412-439, for similar data on net income.

ADJUSTED GROSS INCOME <sup>1</sup>	TAX LIABILITY (dol.)									MARGINAL TAX RATE (percent)								
	1970 <sup>2</sup>	1979-80	1985	1988	1989	1990	1970 <sup>2</sup>	1979-80	1985	1988	1989	1990	1970 <sup>2</sup>	1979-80	1985	1988	1989	1990
<b>CURRENT DOLLARS</b>																		
Single person, no dependents:																		
\$ 5,000.....	683	230	177	8	758	735	705	13.7	5.0	3.5	0.2		19.5	16	12	15	15	15
\$10,000.....	1,778	1,177	888	758	735	705	17.8	11.8	8.9	7.6	7.4	7.1	28.7	21	16	15	15	15
\$20,000.....	5,030	2,256	2,854	2,255	2,205	2,205	21.9	14.3	11.3	11.2	12.6	12.0	49.2	34	26	28	28	28
\$25,000.....	7,144	5,444	4,125	3,294	3,161	2,988	28.6	16.5	13.2	16.3	16.3	16.3	54.3	44	34	28	28	28
\$50,000.....	11,904	9,194	6,916	5,954	5,849	5,718	26.3	19.8	17.0	19.3	19.0	19.0	61.5	55	42	28	28	28
\$75,000.....	16,695	16,032	12,987	9,734	9,629	9,498	30.4	32.1	24.1	19.3	19.3	19.3	65.6	63	48	33	33	33
Married couple, 2 dependents <sup>3</sup>	34,019	29,487	22,195	17,154	16,956	16,718	46.4	39.3	29.6	22.9	22.9	22.9	65.6	63	48	33	33	33
Married couple, 2 dependents <sup>3</sup>	275	4,500	4,580	4,700	4,700	5,5	4,10.0	4,11.0	4,14.0	4,14.0	4,14.0	4,14.0	15.0	4	4	4	4	4
\$ 5,000.....	1,122	374	1,132	4,858	4,910	4,953	11.2	3.7	4,1.3	4,8.6	4,9.1	4,8.5	19.5	16	12	16	12	16
\$10,000.....	3,213	2,265	1,682	1,080	1,020	953	16.1	11.2	8.4	5.1	5.1	4.8	25.6	21	16	15	15	15
\$20,000.....	8,640	5,147	2,566	1,830	1,770	1,703	18.0	14.0	10.3	7.3	7.3	7.3	32.8	28	18	15	15	15
\$25,000.....	12,090	7,677	5,571	4,916	3,320	3,270	21.9	18.8	14.0	9.5	9.3	9.2	40.0	37	25	15	15	15
\$35,000.....	17,270	12,118	9,086	6,549	5,950	5,621	24.2	18.2	13.1	12.6	11.9	11.9	49.2	43	33	28	28	28
\$50,000.....	23,404	17,594	12,849	12,849	12,386	12,386	34.1	31.2	23.5	17.1	16.8	16.8	56.4	54	42	28	28	28
<b>CURRENT INCOME EQUIVALENT TO CONSTANT INCOME (dol.)</b>																		
	1970 <sup>2</sup>	1980	1985	1988	1989	1990	1970 <sup>2</sup>	1980	1985	1988	1989	1990	1970 <sup>2</sup>	1980	1985	1988	1989	1990
CONSTANT (1988) DOLLARS																		
Single person, no dependents:																		
\$5,000.....	1,730	3,490	4,490	5,000	5,230	5,480	4.1	0.8	2.6	0.2	0.4	0.7	15.0	14	11	15	15	15
\$10,000.....	3,450	6,970	8,990	10,000	10,460	10,950	10.9	8.6	8.2	7.6	7.7	7.7	19.5	18	15	15	15	15
\$20,000.....	6,910	13,950	17,720	20,000	21,950	21,950	15.4	14.8	13.2	11.3	11.3	11.3	22.6	20	16	28	28	28
\$25,000.....	8,640	17,430	22,460	23,000	26,150	27,380	16.8	17.4	15.6	13.2	13.3	13.4	25.6	30	26	28	28	28
\$30,000.....	12,090	24,400	31,450	35,000	36,610	38,330	19.3	21.7	18.6	17.0	17.1	17.1	32.8	34	30	33	33	33
\$75,000.....	25,910	52,290	67,380	75,000	78,440	82,130	28.2	32.8	28.1	22.9	22.9	22.9	51.3	55	48	33	33	33
Married couple, 2 dependents <sup>3</sup>																		
\$ 5,000.....	1,730	3,490	4,490	5,000	5,230	5,480	4.10.0	4,11.0	4,14.0	4,14.0	4,14.0	4,14.0	4,10	4,11	4,14	4,14	4,14	4,14
\$10,000.....	3,450	6,970	8,990	10,000	10,460	10,950	2.5	4,5.4	4,1.2	4,8.5	4,8.5	4,8.5	14.0	14.0	12.5	12.5	12.5	12.5
\$20,000.....	6,910	13,950	17,720	20,000	21,950	21,950	6.7	7.5	7.6	5.4	5.5	5.5	17.9	18	15	15	15	15
\$25,000.....	8,640	17,430	22,460	25,000	27,380	30,100	10.2	9.9	9.3	7.4	7.5	7.5	19.5	21	18	15	15	15
\$35,000.....	12,090	24,400	31,450	35,000	36,610	38,330	12.4	13.6	12.8	9.5	9.6	9.7	22.6	25	15	15	15	15
\$50,000.....	17,270	34,860	44,330	50,000	52,290	54,750	16.9	16.7	16.9	13.1	13.2	13.3	33	33	33	33	33	33
\$75,000.....	25,910	52,290	67,380	75,000	78,440	82,130	18.4	24.9	22.1	17.1	17.2	17.2	32.8	38	28	28	28	28

<sup>1</sup> Represents zero. <sup>2</sup> See headnote, table 508. <sup>3</sup> Includes tax surcharge. <sup>4</sup> Only one spouse is assumed to work. <sup>5</sup> Refundable earned income credit.

Source: U.S. Dept. of the Treasury, unpublished data.

**No. 514. Federal Civilian Employment, by Branch, and Agency: 1970 to 1990**

[As of September 30]

AGENCY	1970	1980	1985	1987	1988	1989	1990
<b>Total, all agencies</b>	<b>2,866,313</b>	<b>2,875,866</b>	<b>3,020,531</b>	<b>3,090,699</b>	<b>3,112,823</b>	<b>3,123,731</b>	<b>3,128,267</b>
Legislative Branch, total	29,939	39,710	38,764	37,918	37,547	37,690	37,495
Congress	11,428	19,096	19,656	19,364	19,200	19,504	19,474
U.S. Senate	(NA)	7,195	7,294	7,311	7,200	7,401	7,369
House of Representatives	(NA)	11,888	12,351	12,038	11,985	12,090	12,089
Architect of the Capitol	1,636	2,168	2,145	2,157	2,158	2,161	2,235
Judicial Branch	6,879	15,178	18,225	20,244	21,502	21,915	23,605
Supreme Court	(NA)	331	337	342	341	327	332
U.S. Courts	(NA)	14,847	17,888	19,902	21,161	21,588	23,221
Executive Branch, total	2,829,495	2,820,978	2,963,542	3,032,537	3,053,774	3,064,126	3,067,167
Executive Office of the President	987	1,886	1,526	1,553	1,554	1,577	1,731
White House Office	333	406	367	366	366	371	396
Office of Management and Budget	604	616	566	550	552	527	574
Office of Administration	(NA)	166	194	193	212	202	205
Council of Economic Advisors	60	35	30	30	29	32	34
Executive Departments	1,772,363	1,716,970	1,789,270	1,806,101	1,804,057	2,065,038	2,065,542
State	40,042	23,497	25,254	25,483	25,634	25,327	25,288
Treasury	90,663	124,663	130,084	149,187	160,516	152,548	158,655
Defense	1,169,173	960,116	1,084,549	1,090,018	1,049,619	1,075,437	1,034,152
Justice	40,075	56,327	64,433	70,696	76,515	79,667	83,932
Interior	71,671	77,357	77,485	76,719	78,216	77,545	77,679
Agriculture	114,309	129,139	117,750	116,993	120,869	122,062	122,594
Commerce	36,124	48,563	35,150	34,826	52,819	45,091	69,920
Labor	10,928	23,400	18,260	17,976	16,178	18,125	17,727
Health & Human Services	110,186	155,662	140,151	127,039	123,270	122,259	123,959
Housing & Urban Development	15,046	16,964	12,289	13,033	13,342	13,544	13,596
Transportation	66,970	72,361	62,227	62,488	63,506	65,615	67,364
Energy	7,156	21,557	16,749	16,749	17,031	17,130	17,731
Education	-	7,364	4,889	4,894	4,542	4,696	4,771
Veterans Affairs	169,241	228,285	247,156	250,013	245,467	245,992	248,174
Independent agencies	1,056,135	1,102,122	1,172,746	1,224,883	1,248,163	997,511	999,894
Environmental Protection Agency	-	14,715	13,788	15,173	15,309	15,590	17,123
Equal Employment Opportunity Comm.	797	3,515	3,222	3,278	3,229	2,743	2,880
Federal Deposit Insurance Corporation	2,462	3,520	6,723	9,219	8,249	9,031	17,641
Fed. Emergency Managmt Agency	-	3,427	3,193	2,700	2,610	3,048	3,137
General Services Administration	37,661	37,654	25,782	21,878	20,070	20,063	20,277
National Aeronautics & Space Admin	30,674	23,714	22,582	22,950	23,130	24,165	24,872
Nuclear Regulatory Commission	-	3,283	3,605	3,426	3,341	3,288	3,353
Office of Personnel Management	5,513	8,280	6,353	6,078	6,673	6,859	6,636
Small Business Administration	4,397	5,804	4,960	4,846	4,588	4,653	5,128
Smithsonian Institution, Summary	2,547	4,403	4,757	5,028	5,034	5,158	5,092
Tennessee Valley Authority	23,785	51,714	32,035	32,738	28,290	26,676	28,392
U.S. Information Agency	10,156	8,138	8,851	8,896	8,821	8,723	8,555
U.S. International Development Cooperation Agency	14,493	6,152	5,054	4,803	4,836	4,816	4,698
U.S. Postal Service	721,183	660,014	750,021	797,851	831,956	826,310	816,886

- Represents zero. NA Not available. <sup>1</sup> Includes other branches, or other agencies, not shown separately. <sup>2</sup> Formerly Veterans Administration. <sup>3</sup> 1980 figure includes the National Archives and Records Administration which became an independent agency in 1985.

Source: U.S. Office of Personnel Management, *Federal Civilian Workforce Statistics—Employment and Trends*, bimonthly.

**No. 515. Federal White Collar Civilian Employment, by Sex and Grade: 1970 to 1989**

[1970, as of Oct. 31; thereafter as of Sept. 30. Represents full-time white-collar employment]

GRADE <sup>1</sup>	TOTAL (1,000)					PERCENT WOMEN				
	1970	1980	1985	1987	1989	1970	1980	1985	1987	1989
<b>Total employment</b> <sup>2</sup>	<b>1,885</b>	<b>1,985</b>	<b>2,156</b>	<b>2,203</b>	<b>(NA)</b>	<b>33.1</b>	<b>38.6</b>	<b>47.4</b>	<b>48.2</b>	<b>(NA)</b>
General Schedule and equivalent pay system	1,259	1,473	1,561	1,585	1,608	40.3	45.1	47.7	48.4	48.7
Grades 1-6 (\$10,581-\$23,628)	521	561	563	549	518	72.2	74.1	74.5	74.9	74.8
Grades 7-10 (\$20,195-\$35,369)	302	357	377	389	388	33.4	46.3	50.3	51.4	53.5
Grades 11-12 (\$29,891-\$46,571)	264	335	388	407	434	9.5	19.3	27.5	30	32.9
Grades 13-15 (\$42,601-\$76,982)	164	217	231	239	267	3	8.2	12.1	14.2	17
Grades 16-18 (\$69,451-\$78,200) <sup>3</sup>	8	3	1	1	1	1.4	4.4	6.1	6.9	9.1
Postal pay system	521	483	553	600	(NA)	26.8	33.2	36.2	(NA)	

NA Not available. <sup>1</sup> Pay ranges shown for General Schedule grades are as of January 31, 1990. <sup>2</sup> Includes other systems, not shown separately. <sup>3</sup> Beginning 1980, change in number reflects shift of senior level employees to Senior Executive Service. <sup>4</sup> Source: U.S. Postal Service, *National Payroll Hours*, annual.

Source: Except as noted, U.S. Office of Personnel Management, *Occupations of Federal White-Collar and Blue-Collar Workers*, biennial, and *The Pay Structure of the Federal Civil Service*, annual.

**No. 516. Federal Civilian Employment and Annual Payroll, by Branch: 1970 to 1990**

[Annual employment: For fiscal year ending in year shown; see text, section 9. Includes employees in U.S. territories and in foreign countries. Data represent employees in active-duty status, including intermittent employees. Annual employment figures are averages of monthly figures. Excludes Central Intelligence Agency, National Security Agency, and, as of November 1984, the Defense Intelligence Agency. See also *Historical Statistics, Colonial Times to 1970*, series Y 308-317.]

YEAR	EMPLOYMENT					PAYROLL (mil. dol.)					
	Total (1,000)	Percent of U.S. employ- ed	Executive		Legisla- tive		Total	Executive		Legisla- tive	
			Total (1,000)	Defense (1,000)	Judicial (1,000)	Total (1,000)		Total	Defense	Judicial	
1970 <sup>2</sup>	2,997	3.7	2,961	1,263	29	7	227,322	226,894	11,264	338	89
1975	2,877	3.4	2,830	1,044	37	10	39,126	38,423	13,418	549	154
1979	2,897	2.9	2,844	974	40	13	53,590	52,513	18,065	817	260
1980 <sup>3</sup>	2,987	3.0	2,933	971	40	14	58,012	56,841	18,795	883	288
1981	2,909	2.9	2,855	986	40	15	63,793	62,510	21,227	922	360
1982	2,871	2.9	2,816	1,019	39	16	65,503	64,125	22,226	980	398
1983	2,878	2.9	2,823	1,033	39	16	69,878	68,420	23,406	1,013	445
1984	2,935	2.8	2,879	1,052	40	17	74,616	73,084	25,253	1,081	451
1985	3,001	2.8	2,944	1,080	39	18	80,599	78,992	28,330	1,098	509
1986	3,047	2.8	2,991	1,089	38	19	82,598	80,941	29,272	1,112	545
1987	3,075	2.7	3,018	1,084	38	19	85,543	83,797	29,786	1,153	593
1988	3,113	2.7	3,054	1,073	38	21	88,841	86,960	29,609	1,226	656
1989	3,133	2.7	3,074	1,067	38	22	92,847	90,870	30,301	1,266	711
1990	4,233	2.7	3,173	1,060	38	23	99,138	97,022	31,990	1,329	787

<sup>1</sup> Civilian only. See table 612. <sup>2</sup> Includes 33,000 temporary census workers. <sup>3</sup> Includes 81,116 temporary census workers. <sup>4</sup> Includes 111,020 temporary census workers.

Source: U.S. Office of Personnel Management, *Federal Civilian Workforce Statistics—Employment and Trends*, bimonthly; and unpublished data.

**No. 517. Federal Civilian Employment—Summary: 1970 to 1990**

[In thousands. As of Dec. 31. Excludes U.S. Territories and foreign countries, Central Intelligence Agency, National Security Agency, and the Defense Intelligence Agency. Partially estimated]

CHARACTERISTICS	UNITED STATES							WASHINGTON, DC <sup>1</sup>			
	1970	1975	1980	1985	1988	1989	1990	1980	1985	1989	1990
Paid employment . . . . .	2,645	2,741	2,782	2,902	2,981	2,974	2,940	366	353	358	358
Male . . . . .	1,931	1,896	1,806	1,769	1,730	1,722	1,685	202	191	183	183
Female . . . . .	714	845	976	1,133	1,251	1,252	1,255	164	162	175	175
Full-time . . . . .	2,516	2,496	2,504	2,589	2,648	2,673	2,632	342	335	342	342
Other . . . . .	129	245	276	313	333	301	308	24	18	16	16
Competitive service <sup>2</sup> . . . . .	2,393	1,714	1,692	1,710	1,707	1,733	1,694	258	246	249	248
Permanent appointment . . . . .	2,281	1,647	1,622	1,628	1,632	1,662	1,637	247	234	241	241
Temp. and indef. appointment . . . . .	112	67	70	82	75	71	57	11	12	8	7
Excepted and Senior Executive Services (SES) <sup>3</sup> . . . . .	252	1,027	1,091	1,191	1,275	1,241	1,246	107	108	109	109
Permanent appointment . . . . .	164	860	917	1,015	1,070	1,049	1,029	70	73	76	76
Temp. and indef. appointment . . . . .	88	167	174	176	205	192	217	37	35	33	33
White-collar <sup>4</sup> . . . . .	2,113	2,254	2,324	2,478	2,596	2,588	2,576	335	327	336	336
Blue-collar <sup>4</sup> . . . . .	532	487	458	424	385	386	364	31	26	22	22

<sup>1</sup> Through June 30, 1980, represents SMSA; thereafter, MSA. <sup>2</sup> In 1971, under Postal Reorganization Act of 1970, U.S. Postal Service employees were changed from competitive service to excepted service. <sup>3</sup> Excepted from competitive requirements of Civil Service Act. Prior to 1980 SES was not included in total. <sup>4</sup> Through 1980, based on full-time employment; beginning 1985, based on total workforce.

**No. 518. Accessions to and Separations From Paid Civilian Employment in the Federal Government: 1970 to 1991**

[In thousands, except rate. For fiscal year ending in year shown; see text, section 9. Includes accessions and separations of full-time, part-time and intermittent employees]

ITEM	UNITED STATES						WASHINGTON, DC <sup>1</sup>					
	1970 <sup>2</sup>	1975	1980 <sup>2</sup>	1985	1989	1990	Oct. 1990- July 1991	1980 <sup>2</sup>	1985	1989	1990	Oct. 1990- July 1991
Accessions, total . . . . .	727	606	995	630	636	898	501	94	63	67	59	55
Monthly rate <sup>3</sup> . . . . .	2.2	1.9	2.9	1.9	1.8	2.5	1.7	2.3	1.6	1.7	1.5	1.6
Separations, total . . . . .	797	589	1,004	530	606	889	489	89	58	58	52	36
Monthly rate <sup>4</sup> . . . . .	2.4	1.8	3.0	1.6	1.7	2.4	1.7	2.2	1.5	1.5	1.3	1.1
Quit <sup>4</sup> . . . . .	334	213	228	218	205	191	116	33	25	26	23	13

<sup>1</sup> See footnote 1, table 517. <sup>2</sup> Includes temporary census enumerators. <sup>3</sup> Per 100 employees. <sup>4</sup> Represents voluntary resignations by employees or separations by agency if employee declines new assignment, abandons position, joins military, or fails to return from military furlough.

Source of tables 517 and 518: U.S. Office of Personnel Management, *Federal Civilian Workforce Statistics—Employment and Trends*, bimonthly; and unpublished data.

**No. 519. Paid Civilian Employment in the Federal Government: 1989**

[As of December 31. Excludes members and employees of Congress, Central Intelligence Agency, Defense Intelligence Agency, employees overseas, temporary census enumerators, seasonal and on-call employees, temporary Christmas help of the U.S. Postal Service, and National Security Agency]

DIVISION AND STATE	Total (1,000)	Percent defense	DIVISION AND STATE	Total (1,000)	Percent defense
U.S. . . . .	2,906	31.4	DC . . . . .	212	8.1
Northeast . . . . .	481	26.3	VA . . . . .	161	66.2
N.E. . . . .	124	26.6	WV . . . . .	15	11.0
ME. . . . .	17	58.8	NC . . . . .	46	33.0
NH. . . . .	8	19.4	SC . . . . .	32	59.0
VT. . . . .	5	12.5	GA . . . . .	88	41.2
MA. . . . .	60	19.5	FL . . . . .	112	29.4
RI. . . . .	10	41.8	E.S.C. . . . .	173	32.5
CT. . . . .	24	20.7	KY. . . . .	35	35.4
M.A. . . . .	357	26.2	TN. . . . .	56	13.9
NY. . . . .	152	11.8	AL. . . . .	57	44.5
NJ. . . . .	75	34.6	MS. . . . .	24	43.6
PA. . . . .	129	38.1	W.S.C. . . . .	275	35.0
Midwest . . . . .	492	24.7	AR. . . . .	19	25.6
E.N.C. . . . .	320	25.4	LA. . . . .	34	25.7
OH. . . . .	91	37.8	OK. . . . .	45	50.2
IN. . . . .	41	37.0	TX. . . . .	177	33.9
IL. . . . .	104	19.4	West . . . . .	642	37.4
MI. . . . .	56	20.1	Mt. . . . .	193	31.2
WI. . . . .	27	11.5	MT. . . . .	11	11.6
W.N.C. . . . .	173	21.7	ID. . . . .	10	13.5
MN. . . . .	32	9.0	WY. . . . .	6	17.0
IA. . . . .	18	8.0	CO. . . . .	53	26.0
MO. . . . .	66	28.9	NM. . . . .	26	36.5
ND. . . . .	8	25.8	AZ. . . . .	39	26.0
SD. . . . .	9	15.3	UT. . . . .	36	57.9
NE. . . . .	15	26.7	NV. . . . .	11	18.9
KS. . . . .	25	27.3	Pac. . . . .	449	40.0
South . . . . .	1,254	33.9	WA. . . . .	65	43.8
S.A. . . . .	806	33.8	OR. . . . .	29	10.2
DE. . . . .	5	32.7	CA. . . . .	315	39.5
MD. . . . .	133	31.0	AK. . . . .	15	32.2
			HI. . . . .	25	75.6

<sup>1</sup> Preliminary. Includes employees not specified by State.

Source: U.S. Office of Personnel Management, *Biennial Report of Employment by Geographic Area*.

**No. 520. Paid Full-Time Federal Civilian Employment, All Areas: 1980 to 1990**

[As of March 31. Excludes employees of Congress and Federal courts, maritime seamen of Dept. of Commerce, and small number for whom rates were not reported. See text, section 10 for explanation of general schedule and wage system. See also *Historical Statistics, Colonial Times to 1970*, series Y 318-331]

COMPENSATION AUTHORITY	EMPLOYEES (1,000)					AVERAGE PAY				
	1980	1985	1988	1989	1990	1980	1985	1988	1989	1990
Total. . . . .	2,498	2,590	2,014	2,016	2,036	19,447	26,139	28,211	29,618	31,174
General Schedule. . . . .	1,402	1,450	1,480	1,494	1,506	19,910	26,186	28,114	29,655	31,239
Wage System . . . . .	456	418	383	374	369	19,790	23,288	24,965	25,462	28,565
Postal pay system <sup>1</sup> . . . . .	527	586	(NA)	(NA)	(NA)	18,344	26,559	(NA)	(NA)	(NA)
Other. . . . .	113	136	151	148	161	24,825	34,413	37,393	39,764	41,149

NA Not available. <sup>1</sup> Source: U.S. Postal Service, *National Payroll Hours*, annual.

Source: Except as noted, U.S. Office of Personnel Management, *Pay Structure of the Federal Civil Service*, annual.

**No. 521. Federal General Schedule Employee Pay Increases: 1965 to 1992**

[Percent change from prior year shown, except 1965, change from 1964. Represents legislated pay increases. For some years data based on range; for details see source]

EFFECTIVE DATE	Average increase	EFFECTIVE DATE	Average increase	EFFECTIVE DATE	Average increase
Oct. 1, 1965 . . . . .	3.6	Oct. 1, 1974 . . . . .	5.5	Jan. 1, 1985 . . . . .	3.5
July 1, 1966 . . . . .	2.9	Oct. 1, 1975 . . . . .	5.0	Jan. 1, 1986 . . . . .	-
Oct. 1, 1967 . . . . .	4.5	Oct. 1, 1976 . . . . .	5.2	Jan. 1, 1987 . . . . .	3.0
July 1, 1968 . . . . .	4.9	Oct. 1, 1977 . . . . .	7.0	Jan. 1, 1988 . . . . .	2.0
July 1, 1969 . . . . .	9.1	Oct. 1, 1978 . . . . .	5.5	Jan. 1, 1989 . . . . .	4.1
Dec. 27, 1969 . . . . .	6.0	Oct. 1, 1979 . . . . .	7.0	Jan. 1, 1990 . . . . .	3.6
Jan. 1, 1971 . . . . .	6.0	Oct. 1, 1980 . . . . .	9.1	Jan. 1, 1991 . . . . .	4.1
Jan. 1, 1972 . . . . .	5.5	Oct. 1, 1981 . . . . .	4.8	Jan. 1, 1992 . . . . .	4.2
Oct. 1, 1972 . . . . .	5.1	Oct. 1, 1982 . . . . .	4.0		
Oct. 1, 1973 . . . . .	4.8	Jan. 1, 1984 . . . . .	4.0		

- Represents zero.

Source: U.S. Office of Personnel Management, *Pay Structure of the Federal Civil Service*, annual.

**No. 522. Federal Government Employment, by Race and National Origin and,  
by Pay System: 1982 and 1990**

[As of Sept. 30. Covers total employment for only Executive Branch agencies participating in OPM's Central Personnel Data File (CPDF). Excludes foreign nationals abroad and U.S. Postal Service]

PAY SYSTEM	1982				1990			
	Total employ- ees (1,000)	Race/National origin			Total employ- ees (1,000)	Race/National origin		
		Total (1,000)	Per- cent of total	Black non- His- panic (1,000)		His- panic (1,000)	Total (1,000)	Per- cent of total
All pay systems, total <sup>2</sup> . . .	2,008.6	484.0	24.1	311.1	90.0	2,150.4	587.5	27.3
General Schedule and equivalent <sup>3</sup> . . .	1,508.3	336.1	22.3	222.0	59.0	1,655.5	437.3	26.4
Grades 1-4 (\$10,581-\$18,947) . . .	303.6	101.9	33.6	71.0	16.1	228.1	96.1	42.1
Grades 5-8 (\$16,305-\$29,091) . . .	464.9	126.5	27.2	90.2	20.2	506.1	168.7	33.3
Grades 9-12 (\$24,705-\$46,571) . . .	530.0	87.6	16.5	50.1	18.7	648.2	137.9	21.3
Grades 13-15 (\$42,601-\$76,982) . . .	209.8	20.1	9.6	10.7	4.0	273.1	34.6	12.7
Executive, total . . .	7.8	0.6	7.7	0.3	0.1	10.1	0.8	7.9
Wage pay system . . .	414.0	134.6	32.5	83.5	28.0	368.8	124.6	33.8
Other pay systems <sup>4</sup> . . .	69.3	10.1	14.6	3.7	2.3	115.2	24.7	21.4
								11.0
								4.8

<sup>1</sup> Includes American Indians, Alaska Natives, Asians, and Pacific Islanders, not shown separately. <sup>2</sup> Due to the inclusion of unspecified employee records, the pay systems listed do not add to the total. <sup>3</sup> Pay rates as of January 1990 for general schedule. Each grade (except Executive) includes several salary steps. Range is from lowest to highest step of grades shown.

<sup>4</sup> Includes white-collar employment in other than General Schedule and Equivalent or Executive pay plans.

Source: U.S. Office of Personnel Management, 1989 *Affirmative Employment Statistics*, biennial.

**No. 523. Federal Land and Buildings Owned and Leased, and Predominant Land Usage:  
1970 to 1989**

[For fiscal years ending in years shown; see text section 9. Covers Federal real property throughout the world, except as noted. Cost of land figures represent total cost of property owned in year shown. For further details see source. For data on Federal land by State, see table 343.]

ITEM AND AGENCY	Unit	1970	1975	1980	1984	1985	1986	1987	1988	1989
Federally owned: Land	Mil. acres.	762	761	720	727	727	727	724	688	662
Buildings, number <sup>1</sup>	1,000	418	405	403	438	454	429	412	442	451
Buildings, floor area <sup>1</sup>	Mil. sq./ft.	2,542	2,502	2,522	2,725	2,860	2,731	2,700	2,780	2,806
Cost of land, buildings, etc. <sup>2</sup>	Bil. dol. .	79	91	107	147	148	158	165	164	164
Federally leased: Land	Mil. acres.	1.6	1.2	1.4	1.8	1.3	1.3	1.6	1.6	1.5
Buildings, floor area <sup>1</sup>	Mil. sq./ft.	182	210	214	203	237	246	246	248	254
Rental property, cost	Mil. dol. .	451	664	1,054	1,547	1,681	1,774	1,893	2,001	2,127
Predominant usage (U.S. only)	Mil. acres.	761	760	720	727	727	727	724	688	662
Forest and wildlife	Mil. acres.	503	502	422	430	431	431	431	400	375
Grazing	Mil. acres.	164	164	162	153	155	155	154	151	151
Parks and historic sites	Mil. acres.	25	25	93	91	94	96	96	99	98
Other	Mil. acres.	70	69	43	52	48	46	43	38	39

<sup>1</sup> Excludes data for Dept. of Defense military functions outside United States. <sup>2</sup> Includes other uses not shown separately. Source: U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout the World*, annual.

**No. 524. Public Lands—Disposal: 1980 to 1990**

[For fiscal year ending in year shown; see text, section 9. Period figures are totals, not annual averages. See also *Historical Statistics, Colonial Times to 1970*, series J 10-15 and J 28-32.]

ITEM	Unit	1980	1985	1986	1987	1988	1989	1990
Applications, entries, and selections allowed <sup>1</sup>	1,000 acres .	1,167	1,404	4	1	1	1	1
Applications, entries, and selections approved <sup>1</sup>	1,000 acres .	175	6,491	683	1,812	1,387	579	238
Patents and certificates <sup>1</sup>	1,000 acres .	2,495	4,217	3,704	3,000	5,419	780	1,052
Mineral class, total	Number .	106,125	119,419	105,513	89,789	82,585	83,762	81,354
Leases <sup>2</sup>	Number .	105,963	119,101	105,226	89,546	82,450	83,656	81,248
Permits <sup>3</sup>	Number .	132	316	246	231	121	96	96
Licenses <sup>4</sup>	Number .	30	2	41	12	14	10	5
Grazing Leases <sup>3</sup>	Number .	7,700	7,387	7,218	7,164	7,197	7,263	7,105
Permits <sup>4</sup>	Number .	14,741	12,493	12,394	12,368	12,537	12,362	12,153

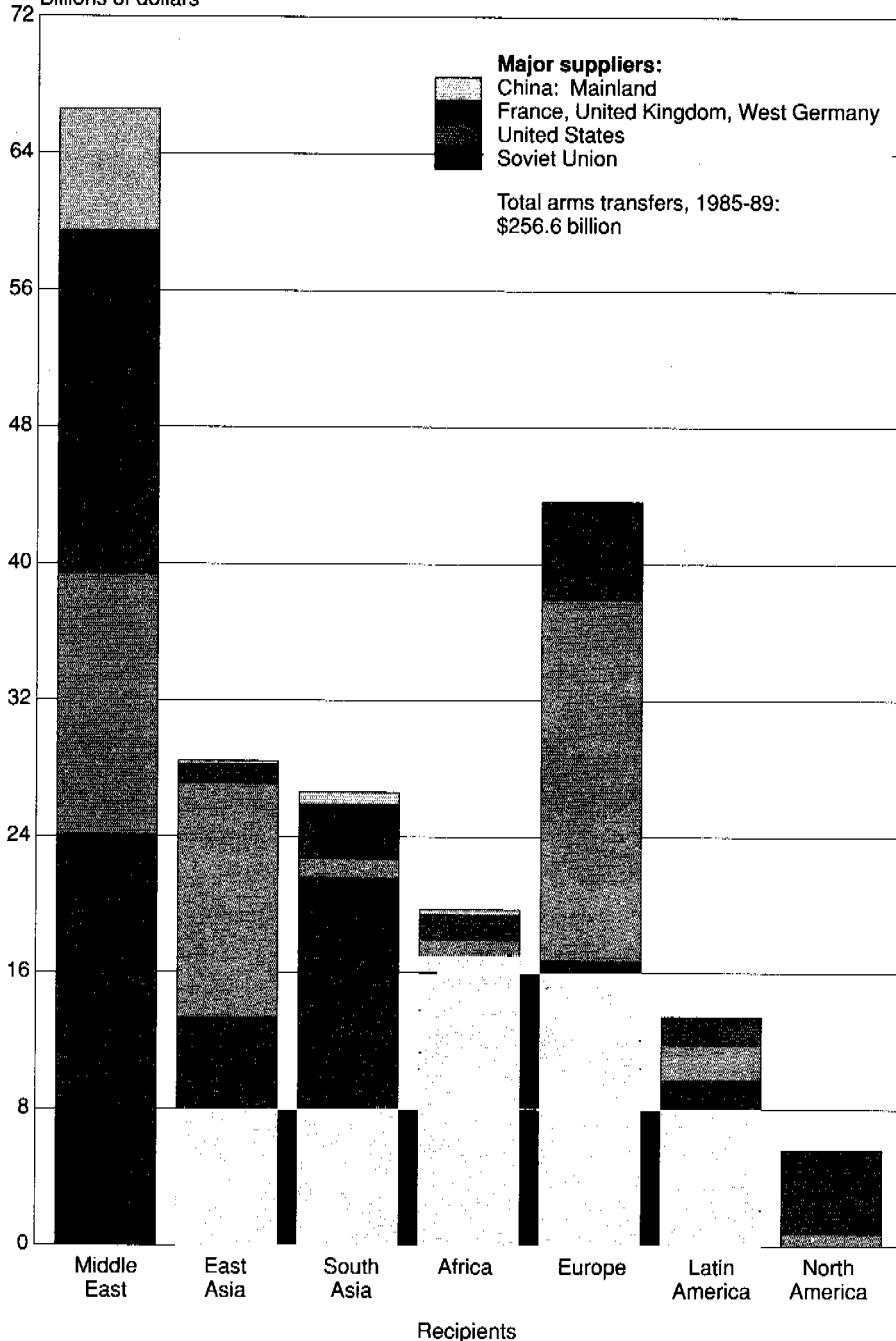
<sup>1</sup> Excludes Indian fee and reissue trusts and corrective patents. <sup>2</sup> Excludes free-use permits for disposition of mineral materials. <sup>3</sup> Beginning 1985, as of September 30. <sup>4</sup> Licensees and permits within grazing districts.

Source: U.S. Bureau of Land Management, *Public Land Statistics*, annual.

Figure 11.1

**Cumulative Arms Transfers: 1985 to 1989**

Billions of dollars



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 534.

# National Defense and Veterans Affairs

This section presents data on national defense and its human and financial costs; active and reserve military personnel; ships, equipment and aircraft; and federally sponsored programs and benefits for veterans. The principal sources of these data are the annual *Selected Manpower Statistics* and the *Atlas/Data Abstract for the United States and Selected Areas* issued by the Office of the Secretary of Defense; *Annual Report of Secretary of Veterans Affairs, Department of Veterans Affairs*, and *The Budget of the United States Government*, Office of Management and Budget. For more data on expenditures, personnel, and ships, see section 31.

**Department of Defense (DOD).**—DOD is responsible for providing military forces of the United States. The President serves as Commander in Chief of the Armed Forces; from him, the authority flows to the Secretary of Defense and through the Joint Chiefs of Staff to the commanders of unified and specified commands (e.g., Strategic Air Command).

**Reserve components.**—Reserve personnel of the Armed Forces consist of the Army National Guard, Army Reserve, Naval Reserve, Marine Corps Reserve, Air National Guard, Air Force Reserve, and Coast Guard Reserve. They provide trained personnel available for active duty in the Armed Forces in time of war or national emergency and at such other times as authorized by law. The National Guard has dual Federal-State responsibilities and uses jointly provided equipment, facilities, and budget support. The President is empowered to mobilize the National Guard and to use such of the Armed Forces as he considers necessary to enforce Federal authority in any State.

The ready reserve includes selected reservists who are intended to assist active forces in a war and the individual ready reserve who, in a major war, would be used to fill out active and reserve units and later would be a source of combat replacements; a portion of the ready reserve serves in an active status. The

## In Brief

1992 National

defense outlays

\$307.3 bil.

standby reserve cannot be called to active duty unless the Congress gives explicit approval. The retired reserve represents a low potential for mobilization.

**Department of Veterans Affairs.**—The Department of Veterans Affairs administers laws authorizing benefits for eligible former and present members of the Armed Forces and for the beneficiaries of deceased members. Veterans benefits available under various acts of Congress include compensation for service-connected disability or death; pensions for nonservice-connected disability or death; vocational rehabilitation, education, and training; home loan insurance; life insurance; health care; special housing and automobiles or other conveyances for certain disabled veterans; burial and plot allowances; and educational assistance to families of deceased or totally disabled veterans, servicemen missing in action, or prisoners of war. Since these benefits are legislated by Congress, the dates they were enacted and the dates they apply to veterans may be different from the actual dates the conflicts occurred.

VA estimates of veterans cover all persons with active duty service during periods of war or armed conflict and until 1982 include those living outside the United States. Veteran population estimates for September 1982 are for the 50 States, the District of Columbia and Puerto Rico. Veterans whose active duty service was entirely during periods of peacetime are eligible for some veterans benefits and, where appropriate, are included in VA estimates.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

**No. 525. National Defense Outlays and Veterans Benefits: 1960 to 1992**

[For fiscal year ending in year shown; see text, section 9. Includes outlays of Department of Defense, Department of Veterans Affairs, and other agencies for activities primarily related to national defense and veterans programs. For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (-) indicates decline. See *Historical Statistics, Colonial Times to 1970*, series Y 472, 473 and Y 476, for related data]

Year	NATIONAL DEFENSE AND VETERANS OUTLAYS			ANNUAL PERCENT CHANGE <sup>1</sup>			DEFENSE OUTLAYS, PERCENT OF	
	Total outlays (bil. dol.)	Defense outlays		Total outlays	Defense outlays		Veterans outlays	Federal outlays
		Current dollars (bil. dol.)	Constant (1982) dollars (bil. dol.)		Current dollars	Constant (1982) dollars		
1960	53.5	48.1	192.1	5.4	2.5	2.4	-1.9	3.1
1962	58.0	52.3	202.2	5.6	4.0	4.3	2.6	1.7
1963	58.9	53.4	197.1	5.5	1.6	2.0	-2.5	-1.9
1964	60.4	54.8	198.8	5.7	2.6	2.5	0.9	2.9
1965	56.3	50.6	181.4	5.7	-6.8	-7.6	-8.8	0.7
1966	64.0	58.1	197.9	5.9	13.7	14.8	9.1	3.5
1967	78.2	71.4	235.1	6.7	22.1	22.9	18.8	13.8
1968	89.0	81.9	254.8	7.0	13.8	14.7	8.4	4.4
1969	90.1	82.5	243.4	7.6	1.3	0.7	-4.5	8.5
1970	90.4	81.7	225.6	8.7	0.3	-1.0	-7.3	13.6
1971	88.7	78.9	202.7	9.8	-1.9	-3.5	-10.2	12.7
1972	89.9	79.2	190.9	10.7	1.4	0.4	-5.8	9.8
1973	88.7	76.7	175.1	12.0	1.3	-3.1	-8.3	12.0
1974	92.7	79.3	163.3	13.4	4.6	3.5	-6.7	11.4
1975	103.1	86.5	159.8	16.6	11.2	9.0	-2.1	24.0
1976	108.1	89.6	153.6	18.4	4.8	3.6	-3.9	11.0
1976, TQ <sup>3</sup>	26.2	22.3	37.1	4.0	(X)	(X)	(X)	24.1
1977	115.3	97.2	154.3	18.0	6.7	8.5	0.5	23.2
1978	123.5	104.5	155.0	19.0	7.1	7.5	0.5	5.2
1979	136.3	116.3	159.1	19.9	10.4	11.3	2.6	5.0
1980	155.2	134.0	164.0	21.2	13.9	15.2	3.1	6.3
1981	180.5	157.5	171.4	23.0	16.3	17.6	4.5	8.5
1982	209.3	185.3	185.3	24.0	15.9	17.6	8.1	4.2
1983	234.7	209.9	201.3	24.8	12.1	13.3	8.6	3.3
1984	253.0	227.4	211.3	25.6	7.8	8.3	5.0	3.2
1985	279.0	252.7	230.0	26.3	10.3	11.1	8.8	2.7
1986	299.7	273.4	244.0	26.4	7.4	8.2	6.1	0.4
1987	308.8	282.0	251.0	26.8	3.0	3.1	2.9	1.5
1988	319.8	290.4	252.8	29.4	3.6	3.0	0.7	9.7
1989	333.7	303.6	256.6	30.1	4.3	4.5	1.5	2.4
1990	328.4	299.3	271.1	29.1	-1.6	-1.4	5.7	-3.3
1991	304.6	273.3	238.5	31.3	-7.2	-8.7	-12.0	7.6
1992	341.1	307.3	258.8	33.8	12.0	12.4	8.5	8.0

X Not applicable. <sup>1</sup> Change from prior year shown; for 1960, change from 1955. <sup>2</sup> Represents fiscal year GNP; for definition, see text, section 14. <sup>3</sup> Transition quarter, July-Sept.

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

**No. 526. Federal Budget Outlays for National Defense Functions: 1970 to 1992**

[In billions of dollars, except percent. For fiscal year ending in year shown; see text, section 9. Minus sign (-) indicates decline. See *Historical Statistics, Colonial Times to 1970*, series Y 473, for total]

DEFENSE FUNCTION	1970	1980	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992, est.
Total	81.7	134.0	209.9	227.4	252.7	273.4	282.0	290.4	303.6	299.3	273.3	307.3
Percent change <sup>1</sup>	10.1	15.2	13.3	8.3	11.1	8.2	3.1	3.0	4.5	-1.4	-8.7	12.4
Defense Dept., military	80.1	130.9	204.4	220.9	245.2	265.5	274.0	281.9	294.9	289.8	262.4	294.6
Military personnel	29.0	40.9	60.9	64.2	67.8	71.5	72.0	76.3	80.7	75.6	83.4	79.3
Percent of military	36.2	31.2	29.8	29.0	27.7	26.9	26.3	27.1	27.0	-1.7	-9.5	12.3
Operation, maintenance	21.6	44.8	64.9	67.4	72.4	75.3	76.2	84.5	87.0	88.3	101.8	97.8
Procurement	21.6	29.0	53.6	61.9	70.4	76.5	80.7	77.2	81.6	81.0	82.0	74.0
Research and development	7.2	13.1	20.6	23.1	27.1	32.3	33.6	34.8	37.0	37.5	34.6	36.1
Military construction	1.2	2.5	3.5	3.7	4.3	5.1	5.9	5.9	5.3	5.1	3.5	4.5
Family housing	0.6	1.7	2.1	2.4	2.6	2.8	2.9	3.1	3.3	3.5	3.3	3.4
Other <sup>2</sup>	-1.1	-1.1	-1.2	-1.7	0.6	2.0	2.6	0.2	0.1	-1.2	-46.2	-0.5
Atomic energy activities <sup>3</sup>	1.4	2.9	5.2	6.1	7.1	7.4	7.5	7.9	8.1	9.0	10.0	11.7
Defense-related activities <sup>4</sup>	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.5	0.6	0.6	0.9	1.0

<sup>1</sup> Change from immediate prior year; for 1970, change from 1965. <sup>2</sup> Revolving and management funds, trust funds, special foreign currency program, allowances, and offsetting receipts. <sup>3</sup> Defense activities only. <sup>4</sup> Includes civil defense activities.

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

**No. 527. National Defense—Budget Authority and Outlays: 1975 to 1992**

[In billions of dollars, except percent. For fiscal year ending in year shown, except as noted; see text, section 9. See *Historical Statistics, Colonial Times to 1970*, series Y 458-460 for outlays]

ITEM	1975	1980	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992, est.
Budget authority <sup>1</sup>	87.6	143.9	245.0	265.2	294.7	289.1	287.4	292.0	299.6	303.3	303.6	289.2
Department of Defense-Military <sup>2</sup>	85.8	140.6	238.9	258.2	286.8	281.4	279.5	283.8	290.8	293.0	290.0	276.2
Atomic energy <sup>3</sup>	1.8	3.2	6.2	7.0	7.8	7.7	8.3	8.7	10.3	12.7	12.9	
Unobligated balances <sup>1,4</sup>	15.1	23.3	35.1	44.0	52.2	62.1	60.4	42.8	41.7	(NA)	(NA)	
Department of Defense-Military	15.1	23.0	34.6	43.4	51.6	61.5	60.0	42.3	41.2	(NA)	(NA)	
Atomic energy <sup>3</sup>	(NA)	0.3	0.6	0.6	0.6	0.6	0.4	0.5	0.5	(NA)	(NA)	
Outlays (Defense) <sup>1</sup>	86.5	134.0	209.9	227.4	252.7	273.4	282.0	290.4	303.6	299.3	273.3	307.3
Department of Defense-Military	84.9	130.9	204.4	220.9	245.4	265.5	274.0	281.9	294.9	289.7	262.4	294.6
Atomic energy <sup>3</sup>	1.7	3.1	5.5	6.5	7.6	7.9	8.0	8.4	8.7	9.0	10.0	11.7

NA Not available. <sup>1</sup> Includes defense budget authority, balances, and outlays by other departments. <sup>2</sup> Excluding accruals. <sup>3</sup> Includes other defense related activities. <sup>4</sup> Start of year.

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

**No. 528. Employment—Defense-Related Agencies: 1970 to 1990**

[In thousands, except percent. Annual averages]

EMPLOYMENT	1970	1980	1984	1985	1986	1987	1988	1989	1990
Total U.S. employment <sup>1</sup>	80,796	100,907	106,702	108,856	111,303	114,177	116,677	119,030	119,550
Federal	4,763	4,386	4,521	4,608	4,601	4,709	4,690	4,662	4,577
Resident Armed Forces	2,118	1,604	1,697	1,706	1,706	1,737	1,709	1,688	1,637
Civilian personnel <sup>2</sup>	2,645	2,782	2,824	2,902	2,895	2,972	2,981	2,974	2,940
Federal defense-related agencies, excluding Armed Forces	1,211	948	1,033	1,073	1,059	1,079	1,041	(NA)	1,024
Percent of Federal civilian personnel	44.3	33.1	36.8	37.3	36.5	36.3	34.9	(NA)	34.8
Federal defense-related agencies <sup>1</sup>	3,329	2,552	2,730	2,779	2,765	2,816	2,750	(NA)	2,661
Percent of total Federal <sup>1</sup>	68.7	57.1	60.6	60.7	60.0	59.8	58.6	(NA)	58.1
Percent of total U.S. <sup>1</sup>	4.1	2.5	2.6	2.6	2.5	2.5	2.4	(NA)	2.2

NA Not available. <sup>1</sup> Includes resident Armed Forces. <sup>2</sup> See table 517. <sup>3</sup> Source: Beginning 1980, U.S. Dept. of Defense, *Civilian Manpower Statistics*, annual (Sept. issues).

Source: Except as noted, U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

**No. 529. Military and Civilian Personnel and Expenditures: 1985 to 1990**

UNIT	1985	1986	1987	1988	1989	1990
Personnel, total (mil. dol.)	3,808	3,936	3,934	3,864	3,865	3,693
Active duty military	1,354	1,378	1,377	1,338	1,342	1,185
Civilian	976	960	979	937	965	931
Reserve and National Guard	1,478	1,597	1,578	1,588	1,578	1,577
Expenditures, total (mil. dol.)	216,045	217,740	217,719	211,195	212,509	209,904
Payroll outlays	75,949	81,714	84,457	85,428	92,593	88,650
Active duty military pay	29,818	31,300	34,002	34,483	38,221	33,705
Civilian Pay	24,815	28,156	26,328	27,299	27,960	28,230
Retired military pay	17,029	17,633	18,658	18,573	20,591	21,159
Reserve and National Guard pay	4,287	4,624	5,468	5,073	5,821	5,556
Prime contract awards over \$25,000 (mil. dol.)	140,096	136,026	133,262	125,767	119,917	121,254
Supply contracts	92,375	86,626	79,006	72,634	67,540	66,895
Service contracts	24,224	24,837	26,978	25,109	24,347	28,540
R and D contracts	18,752	19,545	21,540	22,364	22,996	21,955
Construction contracts	3,245	3,810	4,102	3,795	3,668	2,088
Civil function contracts	1,500	1,409	1,636	1,866	1,365	1,775
Major area of work (mil. dol.):						
Aircraft, fixed wing	11,683	10,085	8,048	5,324	5,335	6,329
Gas Turbines and jet engines	2,848	2,842	1,766	1,521	1,630	1,856
Guided Missiles	(NA)	1,067	882	869	886	928
Guided missile handling and servicing equip.	(NA)	(NA)	(NA)	(NA)	875	446
Major location of expenditures (mil. dol.):						
Arlington VA	(NA)	2,263	2,413	2,449	2,314	2,527
Bethpage, NY	2,699	2,875	3,261	2,760	(NA)	2,377
Denver, CO	(NA)	(NA)	(NA)	(NA)	(NA)	2,506
Fort Worth, TX	3,912	4,889	3,709	3,681	4,122	3,594
Los Angeles, CA	7,125	5,704	2,696	(NA)	2,339	2,459
Newport News, VA	(NA)	(NA)	2,355	5,423	(NA)	2,745
Norfolk, VA	2,200	2,464	2,523	2,689	2,597	2,741
San Diego, CA	4,027	4,043	4,668	4,208	4,534	4,820
St. Louis, MO	7,412	5,556	5,793	5,109	5,965	5,616
Washington, DC	(NA)	(NA)	(NA)	2,687	2,352	2,771

NA Not available.

Source: U.S. Dept. of Defense, *Atlas/Data abstract for the United States and Selected Areas*, annual.

**No. 530. Military Prime Contract Awards to All Businesses, by Program: 1980 to 1991**

[In billions of dollars. Net values for fiscal year ending in year shown; see text, section 9. Includes all new prime contracts; debt or credit changes in contracts are also included. Actions cover official awards, amendments, or other changes in prime contracts to obtain military supplies, services, or construction. Excludes term contracts and contracts which do not obligate a firm total dollar amount or fixed quantity, but includes job orders, task orders, and delivery orders against such contracts]

DOD PROCUREMENT PROGRAM	1980	1984	1985	1986	1987	1988	1989	1990	1991
Total . . . . .	83.7	146.0	163.7	158.8	156.5	151.4	139.3	144.7	150.9
Intragovernmental <sup>1</sup> . . . . .	10.2	10.1	12.4	9.9	8.8	8.9	9.6	10.0	11.9
For work outside the U.S. . . . .	5.4	8.3	8.6	9.1	8.9	8.2	6.4	7.1	9.2
Educ. and nonprofit institutions . . . . .	1.5	2.7	3.1	3.4	3.5	3.5	3.3	3.5	3.6
With business firms for work in the U.S. <sup>2</sup> . . . . .	66.7	124.9	139.6	136.5	125.3	130.8	120.0	123.8	125.9
Major hard goods . . . . .	41.0	86.3	98.1	92.8	93.0	85.9	79.9	79.1	74.1
Aircraft . . . . .	12.5	29.2	34.6	32.3	27.7	25.0	24.2	24.0	23.6
Electronics and communication equip. . . . .	9.6	19.7	22.0	19.7	22.6	17.8	18.1	18.5	15.2
Missiles and space systems . . . . .	7.9	16.7	18.7	19.4	19.8	19.7	18.7	17.1	16.4
Ships . . . . .	6.0	9.4	10.4	9.4	11.5	13.7	9.6	10.3	9.3
Tanks, ammo. and weapons . . . . .	5.1	11.4	12.5	12.0	11.6	9.7	9.2	9.2	9.6
Services . . . . .	5.9	8.5	9.1	10.4	11.0	12.0	11.7	14.6	16.9

<sup>1</sup> Covers only purchases from other Federal agencies and reimbursable purchases on behalf of foreign governments.

<sup>2</sup> Includes Department of Defense. Includes other business not shown separately. Contracts awarded for work in U.S. possessions, and other areas subject to complete sovereignty of U.S.; contracts in a classified location; and any intragovernmental contracts entered into overseas.

Source: U.S. Dept. of Defense, *Prime Contract Awards*, semiannual.

**No. 531. Department of Defense Contract Awards, Payroll, and Civilian and Military Personnel—States: 1990**

[For years ending Sept. 30. Contracts refer to awards made in year specified; expenditures relating to awards may extend over several years. Civilian employees include United States citizen and foreign national direct hire civilians subject to Office of Management and Budget (OMB) ceiling controls and civilian personnel involved in civil functions in the United States. Excludes indirect hire civilians and those direct hire civilians not subject to OMB ceiling controls. Military personnel include active duty personnel based ashore. Excludes personnel temporarily shore-based in a transient status, or afloat. Payroll outlays include the gross earnings of civilian and active duty military personnel for services rendered to the government and for cash allowances for benefits. Excludes employer's share of employee benefits, accrued military retirement benefits and most permanent change of station costs]

STATE	Contract awards (mil. dol.)	Payroll (mil. dol.)	PERSONNEL (1,000)		STATE	Contract awards (mil. dol.)	Payroll (mil. dol.)	PERSONNEL (1,000)	
			Civilian	Military				Civilian	Military
U.S. . . . .	124,119	96,970	911.2	1,263.4	DC . . . . .	1,516	1,190	17.1	13.9
Northeast . . . . .	27,191	9,253	126.4	67.2	VA . . . . .	6,781	10,507	105.2	94.0
N.E. . . . .	13,889	3,064	32.4	25.0	WV . . . . .	152	206	1.7	0.6
ME. . . . .	1,065	667	9.3	5.3	NC . . . . .	1,561	3,774	17.5	98.0
NH. . . . .	427	219	1.4	0.3	SC . . . . .	985	2,622	19.1	38.3
VI . . . . .	71	81	0.7	0.1	GA . . . . .	1,984	3,793	37.3	60.0
MA. . . . .	6,933	1,016	11.7	8.5	FL . . . . .	5,166	6,003	32.4	75.0
RI . . . . .	413	422	4.3	3.6	E.S.C. . . . .	6,275	5,906	59.4	79.3
CT . . . . .	4,979	659	5.0	7.0	KY . . . . .	591	1,807	14.2	38.7
M.A. . . . .	13,302	6,190	94.0	42.2	TN . . . . .	2,059	944	7.9	9.3
NY . . . . .	6,860	1,867	17.8	24.9	AL . . . . .	1,834	2,093	26.0	18.6
NJ . . . . .	3,493	1,634	25.8	11.3	MS . . . . .	1,792	1,062	11.3	12.8
PA . . . . .	2,949	2,689	50.5	5.9	W.S.C. . . . .	12,557	11,282	92.9	173.8
Midwest . . . . .	20,660	11,023	123.0	127.6	AR . . . . .	306	718	4.9	8.7
E.N.C. . . . .	11,045	6,359	85.8	58.3	LA . . . . .	1,246	1,414	9.2	26.4
OH . . . . .	4,760	2,125	35.4	11.7	OK . . . . .	779	1,893	22.0	26.2
IN . . . . .	2,190	1,043	15.3	5.6	TX . . . . .	10,225	7,258	56.7	112.5
IL . . . . .	1,791	1,837	19.9	31.8	West . . . . .	34,729	27,878	235.5	398.3
MI . . . . .	1,337	927	11.7	8.3	Mt. . . . .	7,131	7,136	58.7	106.0
WI . . . . .	968	427	3.6	1.0	MT . . . . .	82	232	1.2	4.4
W.N.C. . . . .	9,915	4,665	37.2	69.3	ID . . . . .	78	282	1.4	4.4
MN . . . . .	1,780	363	3.0	1.0	WY . . . . .	63	173	1.1	3.6
IA . . . . .	458	205	1.5	0.4	CO . . . . .	2,664	2,172	13.6	38.7
MO . . . . .	6,298	1,556	18.7	14.1	NM . . . . .	682	999	9.7	15.3
ND . . . . .	149	332	1.9	10.0	AZ . . . . .	2,511	1,658	9.8	23.8
SD . . . . .	125	272	1.4	6.7	UT . . . . .	802	1,026	19.7	6.1
NE . . . . .	253	685	4.0	12.6	N.V. . . . .	250	594	1.9	9.6
KS . . . . .	852	1,250	6.8	24.4	Pac. . . . .	27,599	20,740	176.9	292.4
South . . . . .	41,239	48,616	426.2	670.3	WA . . . . .	1,760	3,209	28.8	36.4
S.A. . . . .	22,406	31,628	274.0	417.1	OR . . . . .	317	431	2.9	1.1
DE . . . . .	133	262	1.8	4.5	CA . . . . .	24,265	13,952	121.3	188.7
MD . . . . .	4,129	3,271	41.9	32.7	AK . . . . .	560	903	4.9	23.3
					HI . . . . .	697	2,245	19.0	42.9

<sup>1</sup> Military awards for supplies, services, and construction. Net value of contracts of over \$25,000 for work in each State and DC. Figures reflect impact of prime contracting on State distribution of defense work. Often the State in which a prime contractor is located is not the State where the subcontracted work is done. See also headnote, table 530. Undistributed civilians and military personnel, their payrolls and prime contract awards for performance in classified locations are excluded.

Source: U.S. Dept. of Defense, *Atlas/Data Abstract for the United States and Selected Areas*, annual.

# Worldwide Military Expenditures—Arms Trade

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## No. 532. Worldwide Military Expenditures: 1980 to 1989

[For military expenditures and Armed Forces by country, see section 31. GNP=Gross national product]

COUNTRY GROUP	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
<b>Current dollars, total<sup>1</sup> . . .</b>	<b>602</b>	<b>682</b>	<b>764</b>	<b>821</b>	<b>869</b>	<b>925</b>	<b>956</b>	<b>990</b>	<b>1,016</b>	<b>1,035</b>
United States . . . . .	144	170	196	218	237	266	281	288	293	304
Percent of total . . . . .	23.9	24.9	25.7	26.5	27.3	28.8	29.4	29.1	28.9	29.4
Developed countries <sup>2</sup> . . . . .	490	553	616	663	706	709	792	827	853	867
Developing countries <sup>2</sup> . . . . .	113	129	148	158	163	166	165	164	163	168
NATO countries . . . . .	239	276	312	342	367	402	421	435	444	462
<b>Constant (1988) dollars, total</b>	<b>887</b>	<b>916</b>	<b>965</b>	<b>999</b>	<b>1,018</b>	<b>1,053</b>	<b>1,061</b>	<b>1,065</b>	<b>1,058</b>	<b>1,035</b>
United States . . . . .	212	228	248	265	278	303	312	310	305	304
Percent of total . . . . .	23.9	24.9	25.7	26.5	27.3	28.8	29.4	29.1	28.8	29.4
Developed countries <sup>2</sup> . . . . .	721	743	778	807	827	864	878	889	888	867
Developing countries <sup>2</sup> . . . . .	166	173	187	192	191	189	183	176	170	168
NATO countries <sup>3</sup> . . . . .	352	370	395	416	430	458	467	468	462	462
<b>Percent of GNP</b> . . . . .	<b>5.3</b>	<b>5.4</b>	<b>5.7</b>	<b>5.7</b>	<b>5.6</b>	<b>5.6</b>	<b>5.5</b>	<b>5.4</b>	<b>5.1</b>	<b>4.9</b>
United States . . . . .	5.3	5.6	6.2	6.4	6.3	6.6	6.6	6.4	6.0	5.8
Developed countries <sup>2</sup> . . . . .	5.3	5.3	5.6	5.6	5.6	5.6	5.6	5.5	5.3	5.0
Developing countries <sup>2</sup> . . . . .	5.5	5.7	6.1	6.2	6.0	5.7	5.3	4.9	4.5	4.3
NATO countries <sup>3</sup> . . . . .	4.3	4.5	4.8	4.9	4.9	5.0	5.0	4.9	4.6	4.5

<sup>1</sup> Includes countries not shown separately. <sup>2</sup> Twenty-eight developed countries; see table 533 for selected countries; for complete list, see source. <sup>3</sup> North Atlantic Treaty Organization.

## No. 533. Arms Trade in Constant (1989) Dollars—Selected Countries: 1987 to 1989

[In millions of dollars, except percent. Because some countries exclude arms imports or exports from their trade statistics and their "total" imports and exports are therefore understated and because arms transfers maybe estimated independently of trade data, the ratio of arms to total imports or exports maybe overstated and may even exceed 100 percent]

COUNTRY	1989			COUNTRY	1989			COUNTRY
	1987	1988	Total		Arms imports as percent of total imports	1987	1988	
<b>World total<sup>1</sup> . . .</b>	<b>62,690</b>	<b>55,430</b>	<b>45,430</b>	(NA)	RECIPIENTS			
EXPORTERS				Developing <sup>1</sup> . . .	<b>50,190</b>	<b>41,180</b>	<b>34,630</b>	<b>4.7</b>
Canada . . . . .	645	677	410	Afghanistan . . . . .	1,506	2,707	3,800	462.3
China: Mainland . . . . .	1,936	2,707	2,000	Algeria . . . . .	753	885	575	6.5
Czechoslovakia . . . . .	1,398	963	875	Angola . . . . .	1,828	1,457	750	30.0
France . . . . .	3,227	2,394	2,700	Argentina . . . . .	151	312	40	1.0
Poland . . . . .	1,398	1,249	400	Cuba . . . . .	1,936	1,770	1,200	14.8
Soviet Union . . . . .	24,310	22,490	19,600	Egypt . . . . .	1,828	807	600	8.1
United Kingdom . . . . .	5,055	1,666	3,000	El Salvador . . . . .	54	62	70	6.4
United States . . . . .	15,380	15,410	11,200	Ethiopia . . . . .	1,076	729	925	97.3
West Germany . . . . .	1,613	1,249	1,200	Greece . . . . .	333	489	2,000	12.4
IMPORTERS				India . . . . .	3,784	3,539	3,500	17.1
Developed <sup>1</sup> . . . . .	<b>2,154</b>	<b>2,347</b>	<b>2,390</b>	Iran . . . . .	2,151	2,394	1,300	12.4
Australia . . . . .	780	1,353	675	Iraq . . . . .	5,808	5,101	1,900	15.8
Canada . . . . .	183	219	190	Israel . . . . .	1,936	2,082	725	5.0
Czechoslovakia . . . . .	995	219	460	Jordan . . . . .	355	468	190	8.9
East Germany . . . . .	333	1,041	825	Kuwait . . . . .	172	219	490	7.8
Hungary . . . . .	430	125	30	Libya . . . . .	672	625	975	15.7
Italy . . . . .	215	291	300	Morocco . . . . .	441	135	40	0.7
Japan . . . . .	1,076	1,249	1,400	Nicaragua . . . . .	538	573	430	78.2
Poland . . . . .	887	1,041	625	North Korea . . . . .	452	1,041	525	(NA)
Romania . . . . .	129	21	20	Oman . . . . .	118	31	60	2.7
Soviet Union . . . . .	1,398	1,249	900	Pakistan . . . . .	344	437	460	6.4
United Kingdom . . . . .	592	677	650	Peru . . . . .	473	31	180	7.5
United States . . . . .	2,366	2,602	1,600	Saudi Arabia . . . . .	7,520	2,811	4,200	21.2
West Germany . . . . .	672	1,145	875	South Korea . . . . .	672	703	370	0.6

NA Not available. <sup>1</sup> Includes countries not shown separately.

Source of tables 532 and 533: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual.

**No. 534. Arms Transfers—Cumulative Value for Period 1985-89, by Major Supplier and Recipient Country**

[In millions of dollars]

RECIPIENT	Total <sup>1</sup>	SUPPLIER					
		Soviet Union	United States	France	United Kingdom	China: Mainland	West Germany
<b>World, total.</b>	<b>256,585</b>	<b>102,465</b>	<b>60,480</b>	<b>18,075</b>	<b>14,095</b>	<b>8,380</b>	<b>6,190</b>
<b>Africa <sup>1</sup></b>	<b>24,390</b>	<b>17,005</b>	<b>990</b>	<b>935</b>	<b>300</b>	<b>315</b>	<b>185</b>
Algeria	3,260	2,700	50	20	40	-	-
Angola	6,000	5,500	-	80	-	-	-
Ethiopia	3,805	3,600	-	-	-	20	-
Libya	5,080	3,200	-	-	-	30	10
Morocco	770	-	240	150	-	20	-
Mozambique	850	825	-	5	5	-	-
Nigeria	705	30	50	110	120	5	130
Sudan	330	-	100	-	-	50	-
<b>East Asia <sup>1</sup></b>	<b>31,815</b>	<b>13,385</b>	<b>13,720</b>	<b>250</b>	<b>570</b>	<b>215</b>	<b>300</b>
China: Mainland	2,205	500	210	120	260	(X)	40
Taiwan	3,885	-	3,000	-	-	-	-
North Korea	2,770	2,700	-	-	-	40	-
Malaysia	710	-	270	20	10	-	-
South Korea	2,645	-	2,600	10	30	-	-
Thailand	1,430	-	1,000	-	20	170	120
Vietnam	8,230	8,200	-	-	-	-	-
<b>South Asia <sup>1</sup></b>	<b>28,305</b>	<b>21,565</b>	<b>1,155</b>	<b>1,980</b>	<b>700</b>	<b>720</b>	<b>490</b>
Afghanistan	9,730	9,700	-	-	-	-	-
India	16,080	11,800	210	1,900	650	-	470
Pakistan	2,000	5	925	80	40	410	20
<b>Europe <sup>1</sup></b>	<b>54,000</b>	<b>16,705</b>	<b>21,250</b>	<b>1,705</b>	<b>1,110</b>	-	<b>2,890</b>
Belgium	1,460	-	1,400	60	-	-	-
Bulgaria	3,600	3,100	-	-	-	-	20
Czechoslovakia	3,440	3,300	-	-	-	-	-
Denmark	570	-	500	20	20	-	-
East Germany	4,425	3,500	-	-	-	-	-
France	980	-	900	(X)	10	-	-
Greece	3,210	90	1,800	1,000	-	-	210
Hungary	800	500	-	-	-	-	-
Italy	1,220	-	1,200	-	-	-	-
Netherlands	2,560	-	2,200	-	10	-	330
Norway	1,275	-	675	10	-	-	60
Poland	4,780	4,500	-	-	-	-	-
Soviet Union	5,910	(X)	-	-	-	-	-
Spain	3,335	-	2,800	70	210	-	10
Sweden	540	-	420	20	30	-	40
Switzerland	2,210	-	450	30	350	-	1,200
Turkey	3,970	-	2,500	20	360	-	1,000
United Kingdom	2,200	-	3,200	(X)	-	-	-
West Germany	3,530	-	2,600	360	60	-	(X)
Yugoslavia	855	675	150	-	-	-	-
<b>Latin America <sup>1</sup></b>	<b>16,905</b>	<b>9,730</b>	<b>2,065</b>	<b>830</b>	<b>150</b>	-	<b>680</b>
Argentina	730	-	70	30	-	-	370
Chile	485	-	10	60	30	-	10
Colombia	290	-	80	-	20	-	5
Cuba	8,690	7,300	-	-	-	-	-
Ecuador	315	-	60	70	60	-	-
Peru	855	220	40	340	-	-	30
Venezuela	920	-	500	60	-	-	60
<b>Middle East <sup>1</sup></b>	<b>84,535</b>	<b>24,075</b>	<b>15,350</b>	<b>11,045</b>	<b>8,405</b>	<b>7,100</b>	<b>645</b>
Egypt	5,800	575	2,900	675	170	190	40
Iran	10,250	-	10	75	100	2,800	50
Iraq	22,750	13,000	-	1,700	20	1,600	90
Israel	6,100	-	6,100	-	-	-	-
Jordan	2,070	1,200	460	110	40	-	10
Kuwait	1,345	180	150	450	110	-	-
Saudi Arabia	29,040	-	5,000	7,000	7,700	2,500	40
Syria	7,160	6,100	-	20	-	10	-
Yemen (Sanaa)	1,765	1,600	20	-	-	-	5
<b>North America.</b>	<b>10,755</b>	-	<b>735</b>	<b>1,300</b>	<b>2,700</b>	<b>10</b>	<b>900</b>
Canada	825	-	735	-	-	-	-
United States	9,930	-	(X)	1,300	2,700	10	900

- Represents \$2.5 million or less. X Not applicable. <sup>1</sup> Includes countries not shown separately.Source: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual.

**No. 535. Arms Delivered, by Selected Supplier and Major Weapon Type: 1985-89**

[The suppliers included are the five largest single exporters of major weapons in terms of magnitude of deliveries as well as other countries of the two major alliances; excluded are Albania, Bulgaria, Greece, Malta, Spain, Turkey, and Yugoslavia]

TYPE OF WEAPON	Total <sup>1</sup>	United States <sup>2</sup>	France	United Kingdom	China: Mainland
<b>Land armaments:</b> Tanks . . . . .	7,302	971	38	70	560
Anti-air artillery <sup>3</sup> . . . . .	2,432	2	25	·	820
Field artillery . . . . .	8,717	612	85	50	2,535
Armored personnel carriers . . . . .	13,718	1,052	505	12	1,300
<b>Naval craft:</b> Major surface combatants <sup>4</sup> . . . . .	50	·	·	6	2
Other surface combatants <sup>5</sup> . . . . .	528	23	39	37	16
Submarines . . . . .	24	·	·	·	·
Missile attack boats . . . . .	8	·	·	·	4
<b>Aircraft:</b> Combat aircraft (supersonic) . . . . .	1,534	412	118	66	85
Combat aircraft (subsonic) . . . . .	261	24	12	41	31
Other aircraft . . . . .	1,301	162	68	11	34
Helicopters . . . . .	1,582	193	235	23	·
Missiles (surface-to-air) . . . . .	22,282	1,176	930	81	705

<sup>1</sup> Represents \$2.5 million or less. <sup>2</sup> Includes other countries not shown separately. <sup>3</sup> United States data are by fiscal years, while other suppliers' data are by calendar years. <sup>4</sup> Includes weapons over 23 millimeters. <sup>5</sup> Includes mobile rocket launchers mortars, and recoilless rifles over 100 millimeters.

<sup>6</sup> Includes aircraft carriers, cruisers, destroyers, destroyer escorts, and frigates. <sup>7</sup> Includes motor torpedo boats, subchasers, and minesweepers. <sup>8</sup> Includes reconnaissance aircraft, trainers, transports, and utility aircraft.

Source: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual.

**No. 536. Estimates of Total Dollar Costs of American Wars**

[In millions of dollars, except percent. Service-connected veterans' benefits estimated at 40 percent of total veterans benefits, except as noted]

ITEM	World War II	Vietnam Conflict	Korean Conflict	World War I	Civil War: Union	Civil War: Confederacy	Spanish-American War	American Revolution	War of 1812	Mexican War
Original incremental, direct costs: <sup>1</sup>										
Current dollars . . . . .	360,000	140,600	50,000	32,700	2,300	1,000	270	100-140	89	82
Constant (1967) dollars . . . . .	816,300	148,800	69,300	100,000	8,500	3,700	1,100	400-680	170	300
Percent 1 year's GNP . . . . .	188	14	15	43	74	123	2	104	14	4
Service-connected benefits <sup>2</sup> . . . . .	96,666	32,288	19,512	19,580	3,290	·	2,111	28	20	26
Interest, pmts. on war loans <sup>3</sup> . . . . .	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	11,000	1,200	( <sup>4</sup> )	60	20	14	10
Current cost to 1990 <sup>5</sup> . . . . .	466,000	179,000	72,000	63,500	6,790	( <sup>4</sup> )	2,441	170	120	120

<sup>1</sup> Represents zero. <sup>2</sup> Figures are rounded and taken from Claudia D. Goldin, *Encyclopedia of American Economic History*, p. 938. <sup>3</sup> Total cost to Oct. 1, 1990. For World War I and later wars, benefits are actual service-connected figures from Annual Report of Veterans Administration. For earlier wars, service-connected veterans' benefits are estimated at 40 percent of the approximate ratio of service-connected to total benefits since World War I. <sup>4</sup> Total cost to 1990. Interest payments are a very rough approximation based on the percentage of the original costs of each war financed by money creation and debt, the difference between the level of public debt at the beginning of the war and at its end, and the approximate time required to pay off the war debts. <sup>5</sup> Unknown. <sup>6</sup> Figures are rounded estimates.

Source: Originally presented in U.S. Congress, Joint Economic Committee, *The Military Budget and National Economic Priorities*, Part 1, 91st Congress, 1st session (statement of James L. Clayton); subsequently revised and updated by James L. Clayton, University of Utah, Salt Lake City, Utah.

**No. 537. U.S. Military Sales and Assistance to Foreign Governments: 1950 to 1990**

[In millions of dollars, except as indicated. For fiscal year ending in year shown; see text section 9. Department of Defense (DOD) sales deliveries cover deliveries against DOD sales orders authorized under Arms Export Control Act, as well as earlier and applicable legislation. For details regarding individual programs, see source]

ITEM	1950-81 <sup>1</sup>	1982	1983	1984	1985	1986	1987	1988	1989	1990
Military sales agreements . . . . .	91,066	16,558	4,444	12,872	10,559	6,540	6,449	11,739	10,747	13,948
Weapons and ammunition . . . . .	38,699	6,651	7,697	5,936	3,433	2,208	1,838	5,058	4,386	5,341
Support equipment <sup>2</sup> . . . . .	11,513	3,631	1,048	1,847	1,720	664	783	997	997	1,843
Spare parts and mods . . . . .	20,066	3,263	3,036	2,544	2,371	1,544	1,626	3,125	2,534	2,806
Support services . . . . .	20,788	3,013	2,663	2,545	3,035	2,124	2,202	2,559	2,830	3,958
Military construction sales agreements . . . . .	14,569	86	22	404	958	69	133	208	74	234
Military sales deliveries <sup>3</sup> . . . . .	64,761	10,547	2,948	9,659	8,473	7,882	11,399	9,212	7,313	7,533
Military sales financing . . . . .	24,849	3,884	5,107	5,716	4,940	4,947	4,053	4,049	4,273	4,813
Military assistance programs <sup>4</sup> . . . . .	54,178	395	413	700	812	841	976	702	542	137
Military assist. program deliveries <sup>5</sup> . . . . .	53,804	416	173	129	76	76	84	56	53	29
IMET program/deliveries <sup>6</sup> . . . . .	1,999	44	47	52	54	51	54	46	46	47
Students trained (1,000) . . . . .	506	6	7	6	7	6	6	6	5	5

<sup>1</sup> Includes transition quarter, July-September 1976. <sup>2</sup> Includes aircraft, ships, support vehicles, communications equipment, and other supplies. <sup>3</sup> Includes military construction sales deliveries. <sup>4</sup> Also includes Military Assistance Service Funded (MASF) program data, Section 506(a) drawdown authority, and MAP Merger Funds. <sup>5</sup> Includes Military Assistance Service Funded (MASF) program data and Section 506(a) drawdown authority.

Source: U.S. Defense Security Assistance Agency, *Foreign Military Sales, Foreign Military Construction Sales, and Military Assistance Facts*, annual; and unpublished data.

**No. 538. U.S. Military Sales Deliveries to Foreign Governments, by Country:  
1950 to 1990**

[In millions of dollars. For fiscal years ending in year shown; see text, section 9. Represents Department of Defense military sales]

COUNTRY	1950-1982 <sup>1</sup>	1983	1984	1985	1986	1987	1988	1989	1990	
									Total	Percent distribution
<b>Total<sup>2</sup></b>	<b>75,307</b>	<b>12,948</b>	<b>9,659</b>	<b>8,473</b>	<b>7,882</b>	<b>11,399</b>	<b>9,212</b>	<b>7,313</b>	<b>7,533</b>	<b>100.00</b>
Australia	2,109	322	395	515	399	601	856	390	275	3.64
Belgium	1,189	273	196	119	28	27	222	153	186	2.47
Canada	1,588	111	139	73	114	127	213	154	111	1.47
China: Taiwan	1,965	389	275	339	247	373	488	350	574	7.62
Egypt	1,596	1,006	313	599	618	992	506	325	472	6.27
Germany	7,141	323	336	222	206	324	324	561	399	5.30
Greece	1,565	157	105	115	73	79	129	138	115	1.52
Israel	8,014	258	214	479	190	1,295	750	232	159	2.11
Italy	802	26	54	55	66	75	62	64	66	0.88
Japan	1,174	385	333	389	152	237	213	170	231	3.07
Jordan	964	256	77	122	61	53	55	60	44	0.58
Morocco	535	50	69	49	37	43	74	33	24	0.32
Netherlands	1,464	513	401	339	283	425	299	383	378	5.02
Norway	1,023	251	191	30	43	77	119	98	128	1.70
Saudi Arabia	39,623	5,989	3,573	2,270	2,787	3,472	1,356	981	1,158	15.37
Singapore	913	83	33	22	135	143	193	38	48	0.64
South Korea	4,505	298	258	258	344	353	335	328	298	3.96
Spain	3,682	68	66	93	262	823	637	687	155	2.06
Thailand	2,200	157	163	118	116	95	300	212	177	2.35
Turkey	4,490	150	305	389	280	279	730	668	710	9.43
United Kingdom	5,497	478	447	386	361	198	180	131	206	2.73
Venezuela	798	33	129	195	67	50	27	13	20	0.27

<sup>1</sup> Includes transactions for the transition quarter, July-September 1976. <sup>2</sup> Includes countries not shown.

Source: U.S. Defense Security Assistance Agency, *Foreign Military Sales, Foreign Military Construction Sales, and Military Assistance Facts*, annual.

**No. 539. Summary of Active and Reserve Military Personnel and Forces: 1989 to 1991**

ITEM	1989	1990, est.	1991, est.	ITEM	1989	1990, est.	1991, est.
Military personnel (1,000):				Total naval vessels	566	551	546
Active	2,130	2,076	2,039	Aircraft carriers	14	14	14
Guard and Reserve	1,171	1,155	1,152	Battleships	4	4	2
Strategic forces:				Nuclear attack submarines	96	91	86
Intercontinental ballistic missiles:				Amphibious assault ships	65	64	66
Peacekeeper	50	50	50	Sealift fleet	69	68	66
Minuteman	950	950	950				
Poseidon-Trident	576	608	656	Air Forces:			
Strategic bomber squadrons	21	19	19	Air Force fighter wings (equiv.):			
General purpose forces:				Active	25	24	24
Land forces:				Navy attack wings: Active	13	13	13
Army divisions (Active)	18	18	16	Marine Corps wings: Active	3	3	3
Marine divisions	3	3	3	Air Force B-52 squadrons	3	2	2
Naval forces (total):				Strategic airlift squadrons	20	20	20

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

**No. 540. Intercontinental Ballistic Missiles (ICBM's): 1980 to 1989**

WEAPONS SYSTEM	1980	1983	1984	1985	1986	1987	1988	1989
ICBM's:								
United States <sup>1</sup>	1,052	1,040	1,030	1,017	999	996	1,000	1,000
Minuteman II	450	450	450	450	450	450	450	450
Minuteman III	550	550	550	550	534	514	500	500
Peacekeeper (MX)	-	-	-	-	-	10	32	50
Soviet Union	1,398	1,398	1,398	1,398	1,418	1,389	1,348	(NA)
SS-11	640	520	520	448	440	420	400	350
SS-13	60	60	60	60	60	60	60	60
SS-17	150	150	150	150	150	145	125	75
SS-18	308	308	308	308	308	308	308	308
SS-19	240	360	360	360	360	350	330	300
SS-24	-	-	-	-	-	6	12	60
SS-25	-	-	-	72	100	100	125	220

<sup>1</sup> Represents zero. NA Not available. <sup>1</sup> Includes weapons not shown separately.

Source: The Congress of the United States, Library of Congress, Congressional Research Service, *U.S./Soviet Military Balance, Statistical Trends, 1980-1990*, July 1990.

**No. 541. Department of Defense Manpower: 1950 to 1991**

[In thousands. As of end of fiscal year; see text, section 9. Includes National Guard, Reserve, and retired regular personnel on extended or continuous active duty. Excludes Coast Guard. Other officer candidates are included under enlisted personnel. See also *Historical Statistics, Colonial Times to 1970*, series Y 904-916.]

YEAR	Total <sup>1,2</sup>	ARMY			NAVY <sup>3</sup>			MARINE CORPS			AIR FORCE		
		Total <sup>2</sup>	Officers	Enlist-ed									
1950 . . . . .	1,459	593	73	519	381	45	333	74	7	67	411	57	364
1955 . . . . .	2,935	1,109	122	986	661	75	583	205	18	187	960	137	823
1960 . . . . .	2,475	873	101	770	617	70	545	171	16	154	815	130	683
1961 . . . . .	2,483	859	100	757	626	70	552	177	16	161	821	129	690
1962 . . . . .	2,806	1,066	116	949	664	75	585	191	17	174	884	135	746
1963 . . . . .	2,699	976	108	866	664	76	584	190	17	173	869	134	733
1964 . . . . .	2,686	973	111	861	666	76	585	190	17	173	857	133	721
1965 . . . . .	2,654	969	112	855	670	78	588	190	17	173	825	132	690
1966 . . . . .	3,092	1,200	118	1,080	743	80	659	262	21	241	887	131	753
1967 . . . . .	3,375	1,442	144	1,297	750	82	664	285	24	262	897	135	759
1968 . . . . .	3,546	1,570	166	1,402	764	85	674	307	25	283	905	140	762
1969 . . . . .	3,458	1,512	173	1,337	774	85	684	310	26	284	862	135	723
1970 . . . . .	3,065	1,323	167	1,153	691	81	606	260	25	235	791	130	657
1971 . . . . .	2,713	1,124	149	972	622	75	542	212	22	191	755	126	625
1972 . . . . .	2,322	811	121	687	587	73	511	198	20	178	726	122	600
1973 . . . . .	2,252	801	116	682	564	71	490	196	19	177	691	115	572
1974 . . . . .	2,162	783	106	674	546	67	475	189	19	170	644	110	529
1975 . . . . .	2,128	784	103	678	535	66	466	196	19	177	613	105	503
1976 . . . . .	2,082	779	99	678	525	64	458	192	19	174	585	100	481
1977 . . . . .	2,075	782	98	680	530	63	462	192	19	173	571	96	470
1978 . . . . .	2,062	772	98	670	530	63	463	191	18	172	570	95	470
1979 . . . . .	2,027	759	97	657	523	62	457	185	18	167	559	96	459
1980 . . . . .	2,051	777	99	674	527	63	460	188	18	170	558	98	456
1981 . . . . .	2,083	781	102	675	540	65	470	191	18	172	570	99	467
1982 . . . . .	2,109	780	103	673	553	67	481	192	19	173	583	102	476
1983 . . . . .	2,123	780	106	669	558	68	485	194	20	174	592	105	483
1984 . . . . .	2,138	780	108	668	565	69	491	196	20	176	587	106	486
1985 . . . . .	2,151	781	110	667	571	71	495	198	20	178	602	108	489
1986 . . . . .	2,169	781	110	667	581	72	504	199	20	179	608	109	495
1987 . . . . .	2,174	781	108	668	587	72	510	200	20	179	607	107	495
1988 . . . . .	2,138	772	107	660	593	72	516	197	20	177	576	105	467
1989 . . . . .	2,130	770	107	658	593	72	516	197	20	177	571	104	463
1990 . . . . .	2,044	732	104	624	579	72	503	197	20	177	535	100	431
1991 . . . . .	1,986	711	104	603	570	71	495	194	20	174	510	97	409

<sup>1</sup> Beginning 1980, excludes Navy Reserve personnel on active duty for Training and Administration of Reserves (TARS). From 1969, includes the full-time Guard and Reserve. <sup>2</sup> Includes Cadets. <sup>3</sup> Prior to 1980, includes Navy Reserve personnel on active duty for Training and Administration of Reserves (TARS).

Source: U.S. Dept. of Defense, *Selected Manpower Statistics*, annual.

**No. 542. Military Personnel on Active Duty, by Location: 1970 to 1991**

[In thousands. 1970 and 1975, as of Dec. 31; thereafter, as of end of fiscal year; see text, section 9]

ITEM	1970	1975	1980	1984	1985	1986	1987	1988	1989	1990	1991
Total . . . . .	3,066	2,128	2,051	2,138	2,151	2,169	2,174	2,138	2,130	2,044	1,986
Shore-based <sup>1</sup> . . . . .	2,798	1,912	1,840	1,908	1,920	1,929	1,928	1,891	1,884	1,794	1,743
Afloat <sup>2</sup> . . . . .	268	216	211	230	231	240	246	248	246	252	243
United States <sup>3</sup> . . . . .	2,033	1,643	1,562	1,628	1,636	1,644	1,650	1,598	1,620	1,437	1,539
Foreign countries . . . . .	1,033	485	488	510	516	526	524	541	510	609	448

<sup>1</sup> Includes Navy personnel temporarily on shore. <sup>2</sup> Includes Marine Corps. <sup>3</sup> Includes outlying areas.

Source: U.S. Dept. of Defense, *Selected Manpower Statistics*, annual; and unpublished data.

**No. 543. Military Personnel on Active Duty in Foreign Countries: 1991**

[As of end of fiscal year]

COUNTRY	1991	COUNTRY	1991	COUNTRY	1991
Total . . . . .	447,572	E. Asia and Pac. <sup>1</sup> . . . . .	104,781	Saudi Arabia . . . . .	14,617
Ashore . . . . .	396,014	Australia . . . . .	707	United Arab Emirates . . . . .	39
Afloat . . . . .	51,558	China . . . . .	33	Afloat . . . . .	17,266
Western Europe <sup>1</sup> . . . . .	284,939	Hong Kong . . . . .	31	Western Hemisphere <sup>1</sup> . . . . .	19,456
Austria . . . . .	32	Indonesia . . . . .	40	Antigua . . . . .	74
Denmark . . . . .	64	Japan . . . . .	44,566	Bahamas, The . . . . .	44
France . . . . .	81	New Zealand . . . . .	58	Bermuda . . . . .	1,178
Germany . . . . .	203,423	Philippines . . . . .	7,761	Brazil . . . . .	46
Greece . . . . .	1,375	Rep. of Korea . . . . .	40,062	Canada . . . . .	513
Greenland . . . . .	163	Singapore . . . . .	68	Colombia . . . . .	43
Iceland . . . . .	3,209	Thailand . . . . .	111	Costa Rica . . . . .	12
Italy . . . . .	13,389	Afloat . . . . .	11,300	Cuba (Guantanamo) . . . . .	2,323
Netherlands . . . . .	2,635	Africa, Near East, and South Asia <sup>1</sup> . . . . .	35,335	El Salvador . . . . .	96
Norway . . . . .	225	Bahrain . . . . .	255	Honduras . . . . .	1,005
Portugal . . . . .	2,031	Egypt . . . . .	1,135	Mexico . . . . .	28
Spain . . . . .	6,166	India . . . . .	29	Panama . . . . .	10,568
Switzerland . . . . .	29	Israel . . . . .	438	Peru . . . . .	31
Turkey . . . . .	6,343	Kenya . . . . .	28	Venezuela . . . . .	34
U.S.S.R. . . . .	56	Morocco . . . . .	40	Afloat . . . . .	3,234
United Kingdom . . . . .	23,442	Pakistan . . . . .	31	Antarctica . . . . .	61
Afloat . . . . .	19,758				

<sup>1</sup> Includes areas not shown separately.Source: U.S. Department of Defense, *Selected Manpower Statistics*, annual.**No. 544. Coast Guard Personnel on Active Duty: 1970 to 1990**

[As of end of fiscal year; see text, section 9]

YEAR	Total	Officers	Cadets	Enlisted	YEAR	Total	Officers	Cadets	Enlisted
1970 . . . . .	37,689	5,512	653	31,524	1984 . . . . .	38,705	6,790	759	31,156
1975 . . . . .	36,788	5,630	1,177	29,981	1985 . . . . .	38,595	6,775	733	31,087
1979 . . . . .	38,559	6,340	806	31,413	1986 . . . . .	37,284	6,577	754	29,953
1980 . . . . .	39,381	6,463	877	32,041	1987 . . . . .	38,576	6,644	859	31,073
1981 . . . . .	39,760	6,519	981	32,260	1988 . . . . .	37,723	6,530	887	30,306
1982 . . . . .	38,248	6,431	902	30,915	1989 . . . . .	37,474	6,611	869	29,994
1983 . . . . .	39,708	6,535	811	32,362	1990 . . . . .	36,939	6,876	927	29,136

Source: U.S. Dept. of Transportation, *Annual Report of the Secretary of Transportation*.**No. 545. Vietnam Conflict—U.S. Military Forces in Vietnam and Combat Area Casualties: 1957 to 1989**

[Military forces as of Dec. 31. All U.S. forces withdrawn by Jan. 27, 1973]

ITEM	Unit	1957- 1989, total	1957- 1964	1965	1966	1967	1968	1969	1970	1971	1972	1973- 1989
Military forces <sup>2</sup> . . . . .	1,000 . . .	(X)	323.3	184.3	385.3	485.6	536.1	475.2	234.6	156.8	24.2	-
Battle deaths <sup>3</sup> . . . . .	Number . . .	47,355	279	1,432	5,047	9,463	14,623	9,426	4,230	1,376	361	1,118
Killed . . . . .	Number . . .	38,498	197	1,124	4,142	12,624	7,525	8,117	3,488	1,082	205	-
Died of wounds . . . . .	Number . . .	5,210	10	111	579	979	1,598	1,168	555	160	28	22
Died while missing . <sup>4</sup> . . . . .	Number . . .	3,647	72	197	326	959	401	141	189	134	128	1,068

- Represents zero. X Not applicable. <sup>1</sup> Number in this column indicates 28 more deaths than a tally of the number by time period, due to the inclusion of Cambodia, Thailand, Laos and China. <sup>2</sup> Source: U.S. Dept. of Defense, *Selected Manpower Statistics*, annual. <sup>3</sup> For 1964 only. <sup>4</sup> Casualties from enemy action. Deaths exclude 10,796 servicemen who died in accidents or from disease. <sup>5</sup> Includes servicemen who died while captured.

Source: Except as indicated, National Archives and Records Administration, unpublished data from Combat Area Casualties database, as of October 1989.

**No. 546. Armed Forces Personnel—Summary of Major Conflicts**

[For Revolutionary War, number of personnel serving not known, but estimates range from 184,000 to 250,000; for War of 1812, 286,730 served; for Mexican War, 78,718 served. Dates of the major conflicts may differ from those specified in various laws providing benefits for veterans. See table 563 for data on Vietnam conflict. See also *Historical Statistics, Colonial Times to 1970*, series Y 856-903.]

ITEM	Unit	Civil War <sup>1</sup>	Spanish-American War	World War I	World War II	Korean conflict	Vietnam conflict
Personnel serving <sup>2</sup>	1,000	2,213	307	4,735	<sup>3</sup> 16,113	<sup>4</sup> 5,720	<sup>5</sup> 8,744
Average duration of service	Months	20	8	12	33	19	23
Service abroad: Personnel serving	Percent	(NA)	<sup>6</sup> 29	53	73	756	(NA)
Average duration <sup>3</sup>	Months	(NA)	1.5	6	16	13	<sup>10</sup> 47
Casualties: <sup>4</sup> Battle deaths <sup>2</sup>	1,000	140	(Z)	53	292	34	<sup>10</sup> 153
Wounds not mortal <sup>2</sup>	1,000	282	2	204	671	103	<sup>5</sup> 75,717
Draftees: Classified	1,000	777	(X)	24,234	36,677	9,123	<sup>5</sup> 8,611
Examined	1,000	522	(X)	3,764	17,955	3,685	<sup>5</sup> 3,880
Rejected	1,000	160	(X)	803	6,420	1,189	<sup>5</sup> 1,759
Inducted	1,000	46	(X)	2,820	10,022	1,560	

NA Not available. X Not applicable. Z Fewer than 500. <sup>1</sup> Union forces only. Estimates of the number serving in Confederate forces range from 600,000 to 1.5 million. <sup>2</sup> Source U.S. Department of Defense, *Selected Manpower Statistics, FY 1988*, annual. <sup>3</sup> Covers Dec. 1, 1941, to Dec. 31, 1946. <sup>4</sup> Covers June 25, 1950, to July 27, 1953. <sup>5</sup> Covers Aug. 4, 1964, to Jan. 27, 1973. <sup>6</sup> Army and Marines only. Excludes Navy. Covers July 1950 through Jan. 1955. Far East area only.

<sup>8</sup> During hostilities only. <sup>9</sup> For periods covered, see footnotes 3, 4, and 5. <sup>10</sup> Covers Jan. 1, 1961, to Jan. 27, 1973. Includes known military service personnel who have died from combat related wounds.

Source: Except as noted, the President's Commission on Veterans' Pensions, *Veterans' Benefits in the United States*, vol. I, 1956; and U.S. Dept. of Defense, unpublished data.

**No. 547. Enlisted Military Personnel Accessions: 1980 to 1990**

[In thousands. For years ending Sept. 30]

BRANCH OF SERVICE	1980	1985	1989	1990	BRANCH OF SERVICE	1980	1985	1989	1990
<b>Total</b> .....	<b>582</b>	<b>529</b>	<b>530</b>	<b>461</b>	<b>Marine Corps</b> .....	<b>58</b>	<b>57</b>	<b>49</b>	<b>48</b>
<b>Army</b> .....	<b>265</b>	<b>201</b>	<b>224</b>	<b>182</b>	First enlistments.....	42	36	33	33
First enlistments.....	163	117	112	85	Reenlistments.....	15	19	16	14
Reenlistments.....	97	84	111	97	<b>Air Force</b> .....	<b>132</b>	<b>133</b>	<b>102</b>	<b>104</b>
<b>Navy</b> .....	<b>127</b>	<b>139</b>	<b>155</b>	<b>135</b>	First enlistments.....	76	68	44	37
First enlistments.....	75	67	74	62	Reenlistments.....	56	64	58	68
Reenlistments.....	36	50	62	59					

Source: U.S. Dept. of Defense, *Selected Manpower Statistics*, annual.

**No. 548. Military Personnel on Active Duty and Monthly Basic Pay: 1985 to 1990**

[Personnel as of Sept. 30; basic pay as of January, except as noted]

RANK/GRADE	PERSONNEL (1,000)				MONTHLY BASIC PAY (dollars)			
	1985	1988	1989	1990	1985	1988	1989	1990
<b>Total</b> <sup>1</sup> .....	2,151.0	2,138.2	2,130.2	2,043.7	(X)	(X)	(X)	(X)
Recruit—E-1.....	127.6	119.6	128.9	97.6	594	634	674	684
Private—E-2.....	140.6	145.1	151.9	140.3	689	750	775	803
Pvt. 1st class—E-3.....	336.3	304.7	281.6	280.1	747	806	832	871
Corporal—E-4.....	444.4	458.9	456.8	427.8	866	949	977	1,014
Sergeant—E-5.....	356.2	360.9	362.1	361.5	1,036	1,141	1,185	1,245
Staff Sgt.—E-6.....	237.8	244.5	245.7	239.1	1,260	1,380	1,433	1,480
Sgt. 1st class—E-7.....	131.9	133.0	134.0	134.1	1,525	1,662	1,722	1,784
Master Sgt.—E-8.....	38.5	38.3	37.9	38	1,826	1,980	2,047	2,117
Sgt. Major—E-9.....	15.1	15.2	15.1	15.3	2,234	2,429	2,504	2,583
Warrant Officer—W-1.....	2.4	2.7	3.2	3.2	1,403	1,565	1,618	1,686
Chief Warrant—W-4.....	3.2	3.2	3.1	3	2,491	2,705	2,818	2,943
2d Lt.—O-1.....	39.7	35.3	34.0	31.9	1,275	1,382	1,426	1,485
1st Lt.—O-2.....	42.7	42.4	42.0	37.9	1,737	1,896	1,982	2,056
Captain—O-3.....	104.4	105.8	106.2	106.6	2,230	2,436	2,520	2,618
Major—O-4.....	53.3	53.2	53.6	53.2	2,708	2,966	3,070	3,196
Lt. Colonel—O-5.....	32.8	32.9	32.4	32.3	3,279	3,594	3,737	3,894
Colonel—O-6.....	14.7	14.4	14.0	14	4,039	4,400	4,561	4,758
Brig. General—O-7.....	0.5	0.5	0.5	0.5	4,928	5,333	5,526	5,751
Major General—O-8.....	0.4	0.4	0.4	0.4	5,667	<sup>2</sup> 6,042	6,291	6,516
Lt. General—O-9.....	0.1	0.1	0.1	0.1	<sup>2</sup> 5,725	<sup>2</sup> 6,042	<sup>2</sup> 6,292	<sup>2</sup> 6,516
General—O-10.....	(Z)	(Z)	(Z)	(Z)	<sup>2</sup> 5,725	<sup>2</sup> 6,042	<sup>2</sup> 6,292	<sup>2</sup> 6,516

X Not applicable. Z Fewer than 50. <sup>1</sup> Includes cadets and midshipmen and warrant officers, W-2 and W-3. <sup>2</sup> Statutory limitation.

Source: U.S. Dept. of Defense, *Selected Manpower Statistics*, annual, and Office of the Comptroller, unpublished data.

**No. 549. Military Reserve Personnel: 1970 to 1989**

[In thousands. As of end of fiscal year; see text, section 9. Excludes U.S. Coast Guard Reserve. The ready reserve includes selected reservists who are intended to assist active forces in a war and the individual ready reserve who, in a major war, would be used to fill out active and reserve units and later would be a source of combat replacements; a portion of the ready reserve serves in an active status. The standby reserve cannot be called to active duty unless the Congress gives its explicit approval. The retired reserve represents a low potential for mobilization]

RESERVE STATUS AND BRANCH OF SERVICE	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
<b>Total reserves . . . . .</b>	<b>3,639</b>	<b>2,656</b>	<b>2,109</b>	<b>2,169</b>	<b>2,267</b>	<b>2,250</b>	<b>2,295</b>	<b>2,310</b>	<b>2,370</b>	<b>2,434</b>	<b>2,455</b>	<b>2,538</b>	<b>2,540</b>
Ready reserve . . . . .	2,574	1,529	1,203	1,263	1,317	1,359	1,419	1,491	1,566	1,613	1,620	1,642	1,631
Standby reserve . . . . .	492	412	103	86	65	52	44	44	44	41	38	34	29
Retired reserve . . . . .	573	715	803	821	885	839	832	775	760	780	798	862	879
Army . . . . .	2,221	1,631	1,173	1,218	1,337	1,360	1,408	1,428	1,481	1,508	1,509	1,525	1,530
Navy . . . . .	808	521	427	438	436	415	423	425	431	464	471	525	522
Air Force . . . . .	610	504	509	514	494	476	463	457	459	462	475	488	488

Source: U.S. Dept. of Defense, *Official Guard and Reserve Manpower Strengths and Statistics*, quarterly.

**No. 550. Ready Reserve Personnel Profile—Race, Age, and Sex: 1989 and 1990**

ITEM	RACE					PERCENT DISTRIBUTION			
	Total	White	Black	Asian	American Indian	White	Black	Asian	American Indian
1989, total . . .	1,676,105	1,282,456	372,765	13,237	7,647	76.5	22.2	0.8	0.5
Male . . . . .	1,357,453	1,139,498	199,771	11,573	6,611	68.0	11.9	0.7	0.4
Officers . . . . .	214,783	200,325	12,487	1,664	307	12.0	0.7	0.1	(Z)
Enlisted . . . . .	1,142,670	939,173	187,284	9,909	6,304	56.0	11.2	0.6	0.4
Female . . . . .	318,652	142,958	172,994	1,664	1,036	8.5	10.3	0.1	0.1
Officers . . . . .	35,717	26,760	6,580	313	64	1.7	0.4	(Z)	(Z)
Enlisted . . . . .	282,935	114,198	166,414	1,351	972	6.8	9.9	0.1	0.1
1990, total . . .	1,558,867	1,269,278	271,470	14,608	3,511	81.4	17.4	0.9	0.2
Male . . . . .	1,362,014	1,137,557	209,360	12,724	2,373	73.0	13.4	0.8	0.2
Officers . . . . .	218,033	203,061	12,851	1,794	327	13.0	0.8	0.1	(Z)
Enlisted . . . . .	1,143,981	934,496	198,509	10,930	2,046	59.9	12.6	0.7	0.1
Female . . . . .	196,845	131,721	62,110	1,884	1,130	8.4	4.0	0.1	0.1
Officers . . . . .	18,277	11,785	6,095	339	58	0.8	0.4	(Z)	(Z)
Enlisted . . . . .	178,568	119,936	56,015	1,545	1,072	7.7	3.6	0.1	0.1

Z Less than .05 percent.

Source: U.S. Dept. of Defense, *Official Guard and Reserve Manpower Strengths and Statistics*, annual.

**No. 551. Military Reserve Costs: 1970 to 1990**

[In millions of dollars. As of end of fiscal year; see text, section 9. Army and Air Force data include National Guard]

TYPE OF COST	1970	1980	1982	1983	1984	1985	1986	1987	1988	1989	1990
<b>Total . . . . .</b>	<b>2,597</b>	<b>7,969</b>	<b>10,464</b>	<b>11,910</b>	<b>11,886</b>	<b>19,414</b>	<b>19,640</b>	<b>18,947</b>	<b>18,234</b>	<b>20,630</b>	<b>22,081</b>
Operations and maintenance . . . . .	994	3,526	4,716	5,137	5,128	5,734	5,770	6,168	6,670	6,765	6,757
Personnel . . . . .	1,133	2,456	3,912	4,633	5,065	7,703	8,500	8,382	8,837	9,129	9,106
Procurement . . . . .	187	1,459	971	1,471	1,474	1,984	5,009	4,383	3,316	2,533	3,520
Active-duty support . . . . .	234	408	556	386	408	566	616	601	610	611	628
Construction . . . . .	49	120	309	283	301	402	371	480	584	605	666

Source: U.S. Dept. of Defense, unpublished data.

**No. 552. National Guard—Summary: 1970 to 1990**

[As of end of fiscal year; see text, section 9. Includes Puerto Rico]

ITEM	Unit	1970	1975	1980	1984	1985	1986	1987	1988	1989	1990
<b>Army National Guard: Units . . . . .</b>	<b>Number . . . . .</b>	<b>3,052</b>	<b>3,245</b>	<b>3,379</b>	<b>4,351</b>	<b>4,353</b>	<b>5,712</b>	<b>6,125</b>	<b>5,982</b>	<b>5,715</b>	<b>4,055</b>
Personnel . . . . .	1,000	410	403	368	434	438	446	452	455	457	444
Funds obligated <sup>1,2</sup> . . . . .	Mil. dol . . . . .	752	1,322	1,802	3,093	4,387	4,825	4,955	5,258	5,354	5,187
Value of equipment . . . . .	Mil. dol . . . . .	1,600	4,100	7,600	14,300	18,800	19,700	22,300	27,390	30,129	29,010
<b>Air National Guard: Units . . . . .</b>	<b>Number . . . . .</b>	<b>958</b>	<b>1,106</b>	<b>1,054</b>	<b>1,202</b>	<b>1,184</b>	<b>1,229</b>	<b>1,281</b>	<b>1,272</b>	<b>1,339</b>	<b>1,339</b>
Personnel . . . . .	1,000	90	95	96	105	109	113	115	115	116	118
Funds obligated <sup>1,2</sup> . . . . .	Mil. dol . . . . .	467	890	1,678	2,488	2,813	2,809	2,886	3,072	3,183	3,192
Value of equipment (est.) <sup>3</sup> . . . . .	Mil. dol . . . . .	(NA)	3,100	5,200	17,500	21,400	26,100	23,668	25,683	27,481	26,356

NA Not available. <sup>1</sup> Officers and enlisted personnel. <sup>2</sup> Federal funds; includes personnel, operations, maintenance, and military construction. <sup>3</sup> Beginning 1984, increase due to repricing of aircraft to current year dollars to reflect true replacement value.

Source: National Guard Bureau, *Annual Review of the Chief, National Guard Bureau*; and unpublished data.

## No. 553. Wartime Veterans—States: 1991

[Estimates in thousands. As of end of fiscal year; see text, section 9. Data were estimated starting with veteran's place of residence as of April 1, 1980, based on 1980 Census of Population data, extended to later years on the basis of estimates of veteran interstate migration, separations from the Armed Forces, and mortality; not directly comparable with earlier estimates previously published by the VA. Excludes 423,000 veterans whose only active-duty military service occurred since September 8, 1980, and who failed to satisfy the minimum service requirement. Also excludes a small indeterminate number of National Guard personnel or reservists who incurred service-connected disabilities while on an initial tour of active duty for training only]

STATE	Total <sup>1</sup>	World War I	World War II <sup>2 3</sup>	KOREAN CONFLICT		VIETNAM ERA		PERSIAN GULF WAR	
				Total <sup>2 3 4</sup>	No prior wartime service <sup>4</sup>	Total <sup>2 4 5</sup>	No prior wartime service	Total <sup>5 6</sup>	No prior wartime service
<b>U.S. . . . .</b>	<b>20,280</b>	<b>65</b>	<b>8,443</b>	<b>4,693</b>	<b>3,859</b>	<b>8,269</b>	<b>7,697</b>	<b>263</b>	<b>216</b>
<b>Northeast . . . . .</b>	<b>4,225</b>	<b>13</b>	<b>1,933</b>	<b>957</b>	<b>834</b>	<b>1,460</b>	<b>1,407</b>	<b>46</b>	<b>37</b>
N.E. . . . .	1,146	3	508	266	224	423	402	11	9
ME . . . . .	116	-	47	27	22	48	45	2	1
NH . . . . .	110	-	41	25	21	50	47	1	1
VT . . . . .	46	-	18	10	9	20	19	1	1
MA . . . . .	495	2	233	115	97	168	160	4	3
RI . . . . .	90	-	42	21	17	33	30	1	1
CT . . . . .	289	1	127	68	58	104	101	2	2
M.A. . . . .	3,079	10	1,425	691	610	1,037	1,005	35	28
NY . . . . .	1,305	5	601	293	264	431	422	16	13
NJ . . . . .	653	2	308	153	133	215	205	5	4
PA . . . . .	1,121	3	516	245	213	391	378	14	11
<b>Midwest . . . . .</b>	<b>4,924</b>	<b>18</b>	<b>1,953</b>	<b>1,089</b>	<b>968</b>	<b>1,990</b>	<b>1,925</b>	<b>70</b>	<b>61</b>
E.N.C. . . . .	3,404	11	1,361	742	665	1,360	1,324	49	43
OH . . . . .	933	3	389	201	179	363	351	14	12
IN . . . . .	450	1	171	100	89	187	182	7	6
IL . . . . .	891	3	372	199	178	336	328	11	10
MI . . . . .	726	2	275	155	141	305	298	11	10
WI . . . . .	404	2	154	87	78	169	165	6	5
W.N.C. . . . .	1,520	7	592	347	303	630	601	21	18
MN . . . . .	363	2	134	81	72	156	152	5	4
IA . . . . .	237	1	87	51	47	101	98	4	3
MO . . . . .	470	2	192	110	93	189	178	6	5
ND . . . . .	47	-	17	10	10	20	20	1	1
SD . . . . .	57	-	22	15	13	22	21	1	1
NE . . . . .	131	1	52	32	28	53	49	2	2
KS . . . . .	215	1	88	48	40	89	83	2	2
<b>South . . . . .</b>	<b>6,932</b>	<b>21</b>	<b>2,898</b>	<b>1,639</b>	<b>1,285</b>	<b>2,952</b>	<b>2,652</b>	<b>98</b>	<b>77</b>
S.A. . . . .	3,684	11	1,618	890	682	1,510	1,334	49	38
DE . . . . .	59	-	24	13	11	25	23	1	1
MD . . . . .	404	1	164	101	79	171	156	5	4
DC . . . . .	41	-	19	11	8	14	13	1	1
VA . . . . .	497	1	199	135	99	227	193	7	5
WV . . . . .	160	1	71	34	29	61	57	2	2
NC . . . . .	523	1	223	123	103	210	191	7	6
SC . . . . .	270	1	109	66	52	121	105	4	3
GA . . . . .	498	1	177	116	92	245	221	7	6
FL . . . . .	1,232	5	632	291	209	436	375	15	11
E.S.C. . . . .	1,136	4	459	271	225	473	434	18	14
KY . . . . .	265	1	105	61	53	108	102	4	4
TN . . . . .	395	1	155	88	74	173	161	6	4
AL . . . . .	304	1	123	79	64	125	112	5	4
MS . . . . .	172	1	76	43	34	67	59	3	2
W.S.C. . . . .	2,112	6	821	478	378	969	884	31	25
AR . . . . .	185	1	79	42	33	78	70	3	3
LA . . . . .	311	1	130	69	56	130	120	5	4
OK . . . . .	290	1	115	67	53	129	118	4	3
TX . . . . .	1,326	3	497	300	236	632	576	19	15
<b>West . . . . .</b>	<b>4,199</b>	<b>11</b>	<b>1,658</b>	<b>1,006</b>	<b>771</b>	<b>1,871</b>	<b>1,710</b>	<b>50</b>	<b>40</b>
Mt. . . . .	1,179	2	455	273	213	539	491	16	13
MT . . . . .	74	-	28	15	13	32	31	1	1
ID . . . . .	81	-	30	18	15	36	34	2	1
WY . . . . .	40	-	12	8	7	21	20	1	1
CO . . . . .	299	1	100	71	55	153	139	4	3
NM . . . . .	130	-	50	30	23	60	54	2	2
AZ . . . . .	332	1	148	76	57	137	122	4	3
UT . . . . .	109	-	43	25	20	48	45	1	1
NV . . . . .	114	-	44	30	23	52	46	1	1
Pac. . . . .	3,020	9	1,203	733	558	1,332	1,219	34	27
WA . . . . .	456	1	165	107	80	225	204	6	5
OR . . . . .	267	1	103	54	44	121	115	4	3
CA . . . . .	2,171	7	894	542	411	919	840	22	18
AK . . . . .	49	-	12	10	8	31	29	1	1
HI . . . . .	77	-	29	20	15	36	31	1	1

<sup>1</sup> Represents or rounds to zero. <sup>2</sup> Includes one living Spanish-American War veteran and an indeterminate number of Mexican Border period veterans. Veterans who served in more than one wartime period are counted only once. <sup>3</sup> Includes 269,000 who served in the Vietnam era, Korean conflict, and World War II. <sup>4</sup> Includes 649,000 who served in both World War II and the Korean conflict. <sup>5</sup> Includes 339,000 who served in both the Korean conflict and the Vietnam era. <sup>6</sup> Excludes reservists. <sup>7</sup> Includes 47,000 who served in both the Vietnam-era and the Persian Gulf War.

Source: U.S. Dept. of Veterans Affairs, Management Sciences Service (008B2), *Annual Report of the Secretary of Veterans Affairs*, Fiscal Year 1991.

### No. 554. Veterans Living in the United States and Puerto Rico, by Age and Service: 1991

[In thousands, except as indicated. As of Sept. 30. Estimated. Excludes 487,000 veterans whose only active duty military service occurred since Sept. 30, 1980. See headnote, table 553. See *Historical Statistics, Colonial Times to 1970*, series Y 943-956, for all veterans.]

AGE	Total veterans	WARTIME VETERANS						PEACETIME VETERANS		
		Vietnam era		Korean conflict		World War II <sup>3 4</sup>	World War I	Total	Post-Vietnam era <sup>5</sup>	
		Total <sup>1</sup>	Tot- al <sup>2 3</sup>	No prior wartime service	Total <sup>2 3 4</sup>	No prior wartime serv- ice <sup>2</sup>				
All ages . . . . .	6,2629	20,370	8,303	7,730	4,726	3,889	8,469	65	6,259	3,043
Under 30 years old . . . . .	1,132	180	-	-	-	-	-	-	953	953
30 to 34 years old . . . . .	1,458	158	131	131	-	-	-	-	1,299	1,299
35 to 39 years old . . . . .	1,787	1,198	1,190	1,190	-	-	-	-	590	590
40 to 44 years old . . . . .	3,268	3,119	3,117	3,117	-	-	-	-	149	131
45 to 49 years old . . . . .	2,952	2,434	2,434	2,434	-	-	-	-	518	35
50 to 54 years old . . . . .	2,378	845	707	685	161	161	-	-	1,532	20
55 to 59 years old . . . . .	2,815	1,951	305	132	1,812	1,810	8	-	864	11
60 to 64 years old . . . . .	3,194	3,027	228	30	2,023	1,792	1,204	-	167	3
65 years old and over . . . . .	7,646	7,458	192	10	730	126	7,257	65	187	(Z)

<sup>1</sup> Represents zero. <sup>2</sup> Less than 500. <sup>3</sup> Veterans who served in more than one wartime period are counted only once. Includes Vietnam era (no prior wartime service), Korean conflict (no prior wartime service), World War II, and World War I.

<sup>4</sup> Includes 339,000 who served in both the Korean conflict and the Vietnam era. <sup>5</sup> Includes 269,000 who served in the Vietnam era, Korean conflict, and World War II. <sup>6</sup> Includes 649,000 who served in both World War II and the Korean conflict. <sup>7</sup> Service only after May 7, 1975. <sup>8</sup> There is also one living Spanish-American War veteran and an estimated 65 living Mexican Border conflict veterans.

Source: U.S. Dept. of Veterans Affairs, Office of Information Management and Statistics, Veteran Population, annual.

### No. 555. Disabled Veterans Receiving Compensation: 1970 to 1990

[In thousands, except as indicated. As of end of fiscal year; see text, section 9. Represents veterans receiving compensation for service-connected disabilities. Totally disabled refers to veterans with any disability, mental or physical, deemed to be total and permanent which prevents the individual from maintaining a livelihood and are rated for disability at 100 percent]

MILITARY SERVICE	1970	1975	1980	1984	1985	1986	1987	1988	1989	1990
Disabled, all periods <sup>1</sup> . . . . .	2,092	2,220	2,274	2,251	2,240	2,225	2,212	2,199	2,192	2,184
Peace-time . . . . .	185	194	262	335	352	367	382	398	421	444
World War I . . . . .	85	55	30	15	12	10	18	6	5	3
World War II . . . . .	1,416	1,309	1,193	1,080	1,049	1,015	982	947	912	876
Korea . . . . .	239	240	236	226	223	220	218	215	212	209
Vietnam . . . . .	167	423	553	595	604	613	623	633	643	652
Totally disabled, all periods <sup>1</sup> . . . . .	124	123	121	137	136	133	132	131	131	131
Peace-time . . . . .	16	16	20	25	26	26	26	26	26	27
World War I . . . . .	11	6	3	1	1	1	1	1	(Z)	(Z)
World War II . . . . .	63	58	51	56	54	51	49	47	45	43
Korea . . . . .	16	16	16	17	17	16	16	16	16	16
Vietnam . . . . .	18	26	31	38	38	39	40	41	43	44
Compensation (mil. dol.) . . . . .	2,393	3,797	6,104	8,041	8,270	8,379	8,434	8,721	8,937	9,284

Z Less than 500. <sup>1</sup> Includes Spanish-American War and Mexican Border service, not shown separately.

Source: U.S. Dept. of Veterans Affairs, *Annual Report of the Secretary of Veterans Affairs*; and unpublished data.

### No. 556. Veterans Benefits—Expenditures, by Program: 1970 to 1989

[In millions of dollars. For fiscal years ending in year shown; see text, section 9. On an accrued expenditure basis]

PROGRAM	1970	1975	1980	1984	1985	1986	1987	1988	1989
Total <sup>1</sup> . . . . .	10,201	18,003	23,187	28,494	30,119	31,556	32,365	33,791	30,041
Compensation and pensions <sup>2</sup> . . . . .	5,330	7,551	11,257	13,942	14,234	14,399	14,399	14,880	15,008
Educ'al asst. and readjustm't benefits . . . . .	1,047	4,529	2,383	1,043	1,169	907	916	998	1,027
Medical services; administ' expenses . . . . .	3,209	3,919	6,647	9,123	9,992	10,269	10,641	11,299	10,745
Hospital; domiciliary constr'n <sup>4</sup> . . . . .	75	136	342	486	557	567	589	634	657
Insurance and indemnities . . . . .	1,181	1,345	1,637	1,750	1,853	2,008	1,689	1,734	2,013
Loan guaranty revolving fund . . . . .	249	423	445	1,511	1,626	2,667	3,333	3,635	3,771
Direct loans . . . . .	180	84	49	8	8	9	9	6	2

<sup>1</sup> Excludes expenditures from personal funds of patients. Includes expenditures from VA Revolving Supply Fund and insurance trust funds and miscellaneous expenditures. <sup>2</sup> Includes expenditures for statutory burial awards, special clothing allowance, mortgage life insurance, invalid lifts, headstones and markers, and other expenses. <sup>3</sup> Includes National Cancer Institute expenditures (transfer to Dept. of Veterans Affairs). <sup>4</sup> Includes construction grants for State extended care facilities. Beginning 1975, includes expenditures for health manpower training facilities.

Source: U.S. Dept. of Veterans Affairs, *Annual Report of the Secretary of Veterans Affairs*.

**No. 557. Veterans Compensation and Pension Benefits—Number on Rolls and Average Payment, by Period of Service and Status: 1980 to 1990**

[As of Sept. 30. Living refers to veterans receiving compensation for disability incurred or aggravated while on active duty and war veterans receiving pension and benefits for nonservice-connected disabilities. Deceased refers to deceased veterans whose dependents were receiving pensions and compensation benefits. See also *Historical Statistics, Colonial Times to 1970*, series Y 998-999.]

PERIOD OF SERVICE AND VETERAN STATUS	VETERANS ON ROLLS (1,000)					AVERAGE PAYMENT (annual basis) <sup>1</sup> (dol.)				
	1980	1985	1988	1989	1990	1980	1985	1988	1989	1990
<b>Total</b>	<b>4,646</b>	<b>4,006</b>	<b>3,725</b>	<b>3,654</b>	<b>3,584</b>	<b>2,370</b>	<b>3,505</b>	<b>3,949</b>	<b>4,111</b>	<b>4,335</b>
Living veterans	3,195	2,931	2,804	2,776	2,746	2,600	3,666	4,003	4,126	4,320
Service connected	2,273	2,240	2,199	2,192	2,184	2,669	3,692	3,967	4,078	4,250
Nonservice connected	922	690	606	584	562	2,428	3,581	4,133	4,308	4,591
Deceased veterans	1,451	1,075	921	878	838	1,863	3,066	3,787	4,062	4,382
Service connected	358	336	325	323	320	3,801	5,836	6,649	6,992	7,349
Nonservice connected	1,093	739	595	555	518	1,228	1,809	2,224	2,358	2,548
Prior to World War I	14	7	5	4	4	1,432	1,855	2,226	2,388	2,616
Living	(Z)	(Z)	(Z)	(Z)	(Z)	2,634	4,436	9,149	8,411	10,502
World War I	692	381	261	228	198	1,683	2,461	2,986	3,181	3,435
Living	198	68	32	24	18	2,669	4,439	5,759	6,316	6,922
World War II	2,520	2,097	1,869	1,797	1,723	2,307	3,317	3,724	3,851	4,052
Living	1,849	1,575	1,407	1,352	1,294	2,462	3,460	3,823	3,936	4,123
Korean conflict <sup>2</sup>	446	399	392	391	390	2,591	4,114	4,618	4,836	5,105
Living	317	309	307	306	305	2,977	4,260	4,658	4,852	5,103
Peace-time	312	404	449	472	495	3,080	3,973	4,023	4,042	4,132
Living	262	352	398	421	444	2,828	3,589	3,613	3,621	3,709
Vietnam era <sup>3</sup>	662	716	749	762	774	2,795	4,021	4,463	4,883	4,945
Living	569	626	661	673	685	2,708	3,849	4,229	4,416	4,671

<sup>2</sup> Fewer than 500. <sup>1</sup> Averages calculated by multiplying average monthly payment by 12. <sup>2</sup> Service during period June 27, 1950, to Jan. 31, 1955. <sup>3</sup> Service from Aug. 5, 1964, to May 7, 1975.

Source: U.S. Dept. of Veterans Affairs, *Annual Report of the Secretary of Veterans Affairs*; and unpublished data.

**No. 558. Veterans Administration Health Care Summary: 1980 to 1990**

[For years ending Sept. 30]

ITEM	Unit	1980	1985	1990	ITEM	Unit	1980	1985	1990
Facilities operating:					Prescriptions dispensed	Millions	36.7	48.1	58.6
Hospitals	Number	172	172	172	Laboratory	Millions	215	173	188
Domiciliaries	Number	16	16	32	Radiology examinations	Millions	5.7	5.4	5.5
Outpatient clinics	Number	226	226	(NA)	Inpatients treated <sup>3</sup>	1,000..	1,359	1,435	1,113
Nursing home units	Number	92	115	126	Average daily	1,000..	105	100	87
Employment <sup>1</sup>	1,000..	194	203	202	Outpatient visits	Millions	18.0	19.6	22.6
Obligations <sup>2</sup>	Mil. dol.	6,215	9,258	11,840					

NA Not available. <sup>1</sup> Net full-time equivalent. <sup>2</sup> 1980, cost basis; thereafter, obligation basis. <sup>3</sup> Based on the number of discharges and deaths during the fiscal year, plus the number on the rolls (bed occupants and patients on authorized leave of absence) at the end of the fiscal year. Excludes interhospital transfers.

Source: U.S. Dept. of Veterans Affairs, *Annual Report of the Secretary of Veterans Affairs; Directory of VA Facilities*, biennial; and unpublished data.

**No. 559. Veterans Assistance to Persons in Education and Training Programs: 1980 to 1990**

[In thousands, except where indicated. For fiscal years ending in year shown; see text, section 9. Represents persons in training during year]

PROGRAM	1980	1984	1985	1986	1987	1988	1989	1990
Post-Korea Education Assistance <sup>1</sup>	1,107	528	402	308	239	203	164	86
Institutions of higher education	842	421	326	257	203	176	144	77
Resident schools other than college	149	78	54	35	26	19	13	6
Correspondence schools	42	10	7	6	4	4	3	2
On-the-job training	74	19	15	9	7	4	3	2
Children's Educational Assistance	82.6	63.6	55.3	48.4	43.4	40.9	38.7	37.5
Institutions of higher education	75.5	57.1	50.0	43.9	39.7	37.8	36.2	35.3
Schools other than college	6.5	6.2	5.2	4.3	3.6	3.0	2.4	2.1
Special restorative training	0.1	0.1	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
On-the-job training	0.5	0.2	0.2	0.1	0.1	0.1	0.1	0.1
Spouses, Widows/Widowers Educational Assistance Program	13.0	7.6	6.6	5.9	5.3	5.0	4.6	4.5
Institutions of higher education	10.8	6.5	5.7	5.0	4.5	4.3	4.1	4.1
Schools other than college	2.2	1.1	1.0	0.9	0.7	0.6	0.5	0.4
Vocational Rehab. Program for Disabled Vets	25.5	29.0	26.9	25.8	24.6	24.7	27.0	27.8
Guaranteed and insured loans, (1,000)	297.4	251.6	178.9	313.8	479.5	234.7	189.7	196.6
Guaranteed and insured loans, (mil. dol.)	14,815	15,612	11,452	21,966	34,900	17,302	14,416	15,779
Guaranty and insurance (mil. dol.)	6,370	6,034	4,363	7,896	12,237	6,172	5,211	5,561

<sup>Z</sup> Fewer than 50. <sup>1</sup> Includes some Post-Vietnam veterans.

Source: U.S. Dept. of Veterans Affairs, *Annual Report of the Secretary of Veterans Affairs*; and unpublished data.